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REPORTS
OF THE
DEPARTMENTS OF THE GOVERNMENT
OF THE
CITY OF CLEVELAND
FOR THE
YEAR ENDING DECEMBER 31, 1883,
TOGETHER WITH THE
ANNUAL MESSAGE OF THE MAYOR,

PUBLISHED BY ORDER OF THE CITY COUNCIL.

CLEVELAND, O.:
HOME PUBLISHING CO.
1884.

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CITY GOVERNMENT
OF THE
CITY OF CLEVELAND.

MAYOR,
JOHN H. FARLEY,

CITY CLERK,
C. P. SALEN.

CITY AUDITOR,
HENRY FORD.

CITY TREASURER,
THOMAS AXWORTHY.

CITY CIVIL ENGINEER,
B. F. MORSE.

STREET COMMISSIONER,
FRANK BUETTNER.

THE CITY COUNCIL, 1883-4.

J. L. ATHEY, PRESIDENT.

ARTHUR DEVINE, PRESIDENT PRO TEM.

C. P. SALEN, CLERK.

JOHN VANEK, 1st Ass't CLERK C. H. HATCH, 2d Ass't CLERK.

MISS S. A. BARTLETT, 3d Ass't CLERK.

LIEUT. PHILLIP ANTHONY, SERGEANT-AT-ARMS.

ED. MANNING, PAGE.

WARDS	NAMES.	TERM EXPIRES.
1.	T. M. WARNER.....	1884
	CHARLES BURNSIDE.....	1885
2.	C. B. BERNARD.....	1884
	HENRY BECKMAN, Jr.....	1885
3.	DOMINICK CARR.....	1884
	JOHN KIST.....	1885
4.	P. M. SPENCER.....	1884
	BENJ. WINDECKER.....	1885
5.	W. P. CHARD.....	1884
	ARNOLD GREEN.....	1885
6.	WILLIAM GRANT.....	1884
	W. H. KING.....	1885
7.	ARTHUR DEVINE.....	1884
	W. F. LUDWIG.....	1885
8.	EDWARD COWLEY.....	1884
	PATRICK SMITH.....	1885
9.	J. B. COFFINBERRY.....	1884
	WILLIAM BACKUS.....	1885
10.	WM. M. BAYNE.....	1884
	HERMANN MUELLER.....	1885
11.	J. A. GILBERT.....	1884
	M. A. GROSS.....	1885
12.	J. L. ATHEY.....	1884
	JOSEPH J. PTAK.....	1885
13.	PHILIP GAYLORD.....	1884
	N. P. CHARLOT.....	1885
14.	F. H. EGGERS.....	1884
	CHAS. FLIEDNER.....	1885
15.	W. W. PHILLIPS.....	1884
	T. O'BRIEN.....	1885
16.	H. CLARK FORD.....	1884
	J. D. SCHIELY.....	1885
17.	CHARLES MEDHURST.....	1884
	A. H. STONE.....	1885
18.	I. L. MORRIS.....	1884
	J. L. HITZ.....	1885

ANNUAL MESSAGE

OF THE

MAYOR

TO

The City Council,

DELIVERED APRIL 21ST, 1884.



HON. JOHN H. FARLEY, MAYOR.

MAYOR'S ANNUAL MESSAGE.

To the Honorable City Council:

GENTLEMEN:—In compliance with the provisions of section 1750 of the Revised Statutes, I respectfully submit the following message: It is of interest to our citizens, as it is their right, to be informed, at least annually, of what has transpired during the year. With this in view the law of the State and city wisely provides that each department shall make annual, and in some cases quarterly reports. Such being the fact, it is not necessary to repeat and rehash, in this report, extensive statistics and tables on matters over which the Mayor has no control.

The financial affairs of the city are almost exclusively under the control of the Council. The result of this management you will find in detail in the report of the Auditor and detailed reports of the various boards. In this connection I desire again to call your attention to my recommendation of last spring, and in which you concurred. I refer to the matter of bringing the Water Works and Cemetery boards under the same Council control as the other boards of the city. This is especially necessary in order that the Auditor's department can make an independent and complete showing of all city affairs and the city treasury be the final depository of the city funds. No better demonstration of the necessity and propriety of this can be given than to cite to you the peculations and embezzlements that have

just been unearthed in the management of one of the West Side cemeteries. The bill recommended to the Legislature by your honorable body on this subject was exceedingly commendable, but, failing to obtain the support of Senators from this county, did not become a law. Renewed efforts, however, should be made in this direction next winter.

Another matter pertaining to finance which should receive careful and prompt attention is the long standing practice of paying and carrying over-drafts on account of failure in collections for special improvements (such as Bond street, Payne avenue and other instances,) by using funds raised for other purposes, as the Treasurer, by force of circumstances, has been compelled to do, until the amount so over-drawn at present is \$146,180.25 in direct violation of the statutes. It is true that this method may save the interest on the bonds, that would otherwise be required; but it is also true that this method is not in the line of good business procedure, and liable to result in serious complications. The only argument in favor of a continuance of the practice must be based on the ground that while there are funds in the treasury unused they might thus be converted to public benefit. But the proper and only good business method of converting the use of public funds to the city's benefit is to secure an amendment of the laws requiring the city funds to be deposited in not less than three national banks of the city, under the supervision of the Treasurer, Auditor and the Council Committee on Finance, and the general fund credited with the same. This would yield the city a handsome return. As the term of the present Treasurer will expire next spring, hence doing away with any ground of complaint about interfering with the emoluments of an office already filled, I hope your honorable body will make every possible effort to obtain such legislation at the next session of the General Assembly as will permit the adoption of this course, a course now pursued in Cincinnati, giving general satisfaction and resulting in profit to the city.

As stated in my inaugural address, Cleveland, owing to its vast area as compared to its population, is necessarily a very expensive city to manage. The rapidity of its growth is marvelous. The first police census taken in 1880 showed a population of 158,207, and the last, taken in 1884, 200,429, an increase of over 42,000 in four years. This growth, increasing in geometrical progression, barring unforeseen calamities, must convince us that our city is destined in a very few years to be the great city of Ohio. You should therefore base your calculations on this future growth, and construct your improvements accordingly; failing so to do, great loss will be sustained by the city. It also behooves your honorable body and every citizen who is interested in the city's prosperity to put no obstacle in the way of progress, and to aid her development with all consistent propriety. Necessarily, many things are yet somewhat village like, and our people are slow about paving, sewerage and improving streets. All reasonable encouragement should be extended by loaning the public credit to enable the people to keep pace with the times. The theory that no special improvement should be made until the money is in the Treasury can easily be run to extremes and made a hardship to the people and a check to healthy development. The idea of requiring the people to advance payments from one to three years before they get anything in return, is, to say the least, vexatious, and a means of keeping back many improvements which are necessary to public convenience. The only danger in loaning the public credit for special improvements is in deviating from and disregarding the necessary legal procedure in carrying out to the letter the preliminaries prescribed by the statutes. One feature of the present law that seriously conflicts with thus aiding the people to improve their property, is the provision that prevents the levy for improvements to be greater than twenty-five per cent. of the *duplicate* value of the property. This should be amended so as to read twenty-five per cent. of the value of the prop-

erty *after the improvement shall be made.* This inability prevents the construction of many very necessary improvements, such as paving Canal street from Ontario street to Commercial street, Independence street, Fairmount street, and many others that are sadly in need of improvement, and also compels a heavy annual expense to the general fund to keep such thoroughfares in any kind of passable condition for the business and traffic that is absolutely necessary. In fact, the locality that is the greatest eye-sore by reason of being unimproved, and stands most in the way of general improvement is the property on the duplicate at such rate of valuation as to be a complete bar to further advancement because of this twenty-five per cent. limit. I hope, therefore, your honorable body will use all fair means to procure an amendment to this law at the next session of the General Assembly.

Another matter of local taxation that demands careful attention is the present method of taxation for district sewers. Under the present laws all personal and real property in a district is taxed at a common rate. Now it is quite plain that the use of a sewer is limited to the drainage of a certain territory, and this use is not augmented nor diminished by reason of improvements. The present method of levying the tax is unjust and a hardship to improvements and personal property. For instance, a citizen who owns a lot valued on the duplicate at a given amount, builds thereon a house, which increases the duplicate one thousand dollars. He then has to pay a district sewer tax to the extent of the addition caused by the improvement and the balance of the district, including unimproved lands, is taxed to that extent less. Thus every man, be he rich or poor, who improves, is compelled to pay more, and those who do not improve, less, the original use and benefit remaining the same. This certainly is as unjust as it is unwise, and tends to check improvement and drive business from within the limits of the city. It should be corrected. Perhaps

the most equitable manner would be to tax the district according to the number of square feet of land within the same. This matter should be carefully considered, so that whatever change should be desired can be brought to the attention of the General Assembly early in its next session and it is to be hoped that a fair, equitable and just system of sewer district taxation will then be devised.

Another subject on the matter of taxation to which I called your attention in April last year, is the method of listing the property of railroads. Section 2 of article 12 of the Constitution says: "Laws shall be passed taxing by a uniform rule." And section 4 of article 13 reads as follows: "The property of corporations now existing or hereafter created, shall forever be subject to taxation the same as the property of individuals." Now, if these provisions of the constitution mean anything, they mean that railroad property and rights of way through the city cannot be taxed by the mile nor averaged with rural property. I recommend that you use your efforts with the County Auditor to get the railroad property in this city and county placed on the duplicate just as other property is valued. If these corporations resist in the matter, the laws that have been passed in the interest of the roads should be brought up for consideration and decision of the Supreme Court of the State. There can be no doubt of the verdict. There can be no more right in this averaging railroad property by the mile than there would be in averaging personal property by the pound.

Either the duplicate must rapidly increase or authority be obtained from the Legislature to increase our municipal levy; otherwise our indebtedness, which was on January 1st, 1884, including temporary loans, \$7,051,361.62, must be increased by further loans. We have to-day scarcely enough money in the street intersection fund to complete the paving of the intersections on Willson avenue. This fund was exhausted last year long before its close, and the

funds of this year had to be anticipated to pay for the paving of the intersections of Scovill avenue, which street was paved by the Brooklyn Street Railway Company. The people certainly will not desire to hinder the paving of the streets by the property holders by failure on the part of the public to provide for intersections, and there should be no trepidation on your part by reason of incurring debt on this account. There is no sense in a policy that will stop necessary improvements. The matter of improvements is one that deserves most careful attention. So far as possible let every improvement be of the most substantial character and capacity. Then your investments will surely result in future profit. In this connection the subject of paving has become of general interest. The kind of stone necessary for pavements on crowded business thoroughfares is quite expensive and likely to become more so in the near future. It seems to me that many side streets, alleys, and particularly the gutters on hill sides that are constantly being washed out by rains and consequently expensive to the general fund for box gutters, etc., could be paved to great advantage with domestic stone. This subject should be carefully considered. The general fund could and should be spared the expense of these washouts on streets that have a steep grade, by paving the gutters at the expense of the abutting property in the same manner provided for other improvements.

A new system of street cleaning is about to be tried, viz.: sweeping the paved streets. This, I believe, is the only true solution of the street cleaning problem, and I feel assured that after once put in practice it will be entirely satisfactory. Of course it will cost more, but the pleasure our citizens will derive from it will more than compensate for the slight difference in cost; and besides, it will be an inducement for property owners to pave their streets. About the only difference under the old method of cleaning, between a dirt street and a paved one, is the depth of the mud.

Among the improvements that deserve special attention is the river. Owing to the spread of business in what is known as the Upper River territory, and in order that parties locating important business concerns in that locality may be enabled to carry on their business it is imperative that improvement in the channel be made this summer. A few of the most acute bends, such as the one just above the weigh lock and another near Jefferson street, should be removed by dredging a new channel. The island near Hempy's mill should also be removed. These obstructions contribute, in a large degree, to the danger of disastrous floods by hindering the flow of ice during freshets and arresting the earth and sediment coming from up the stream during the summer season, which finds its way into the channel in the spring, thereby causing the expense of dredging that might to some extent be avoided. This work of improving the river cannot be done from the ordinary dredging fund of this year, owing to its insufficiency, but should be provided for, if possible, by special levy and loan. In this connection I call your attention to the necessity for an ordinance to regulate the dumping of materials of all kinds in the lake. The United States engineer at this point has made just complaint many times during the past few years against dumping at any point west of Erie street. The city can, of course, by contract, regulate the dumping so far as it relates to city work; but there is always more or less private dredging done, which should be fully governed, if possible, by an ordinance regulating dredging and dumping. A great and necessary improvement, one that was recommended by my predecessor—the sewerage of Walworth Run—should be commenced this year, and, if practicable, finished up to the point to which the right of way has been secured. The contemplated bridge across the river at some point near the foot of South Water street should be located and pushed to completion. In the construction of this bridge the central pier should, if consistent with the author-

ity granted, be placed on the shore on the convex side of the stream, to avoid obstructing the channel. A new pier and other improvements to Main street bridge are imperatively necessary and should be made with as little delay as possible. The Viaduct should have a new deck, and the pavement and walks on the eastern approach reconstructed this summer, and all the bridges in the city should be repaired and painted. These improvements and repairs will be quite expensive, but the property is valuable and must be kept up and preserved from the ravages of the weather.

The proposed high level bridge across Kingsbury Run has consumed considerable attention during the year past, and a location has been finally decided upon. If, in your judgment, this improvement is necessary at the present time, it should be at once pushed to completion, the present cost of material being favorable to that end. There can be no doubt that its construction would be as much of a convenience between the district intercepted by the run and the heart of the city as the present Viaduct between the East and West Sides.

The new market ground project is another important proposed improvement. About the only argument that can be made against this market improvement must rest upon the propriety of the municipality engaging in a business of that character, and the renting of spaces for conducting such business as is usually carried on in markets in competition with private property in different parts of the city already used and applicable to such use. To offset this the convenience to the greater number of citizens is the only gauge by which the propriety can be determined. If you can satisfy yourselves on this point and the conclusion is favorable to public markets, then the matter should be pressed forward, on such a scale, however, as to be commodious enough for a city of 400,000 souls, a population this city will probably reach in thirty years hence. The territory most applicable by reason of street car communication and

contiguity to the valuable market property already owned by the city is the block of property bounded by Bolivar, Erie, Eagle streets and Central Place, and the entire block would not be too large for such a market as *should* be built provided the city engages in the enterprise. This any one must concede who is at all familiar with the already overcrowded condition of the present market. Of one thing you can rest assured, property will never be acquired for this purpose at a less price than now, nor can it be expected to obtain property more applicable or better situated at any future time. This subject of markets prompts me to again call your attention to the unjust tax that is put on poverty by the provisions of sections 680 and 681 of the Revised Ordinances, which require, for a first class license, \$35 per year, or \$20 for six months, and for a second class license, \$15 per year, or \$10 for six months; thus making people who are too poor to advance the necessary amount for a year, pay \$5 more for a year because of their inability to pay the whole amount at once. This arrangement was probably intended to protect those who followed the business for a year against those who engaged in it for a shorter period. This, however, could be accomplished by so amending the ordinance as to allow the issuing of a license for the second six months on payment of a sufficient additional amount to equal the rate per year. I hope your honorable body will concede the fairness of this proposition.

Another injustice practiced by one of our city departments is the present method of meter rates as charged by the Water Works Department. Any consumer using up to 50,000 cubic feet, meter measure, is charged at the rate of one mill per cubic foot. From this minimum the rate is graded down to only one half mill for consumers using any amount exceeding 400,000 cubic feet. This way of measuring one's rights to the use of public rights by the amount of his wealth or extent of his enterprise is unfair and undemocratic. Every citizen has the same right and should

be charged for what he consumes, at the same rate, to the extent of his consumption. There is no right or justice in compelling persons who use less to contribute toward the support of those who are more fortunate and use more. I hope your honorable body will memorialize the Trustees of Water Works on this subject. Another matter connected with the Water Works Department, to which I desire to call attention is the great economy that would occur in the future by a more plentiful supply of fire hydrants. One of the most expensive items connected with our system of extinguishing fires is hose. The first cost of this article is great, and its life short. A great saving on hose could be made if fire "plugs" or hydrants were placed in greater numbers on the line of water pipe. They should be as close as one hundred feet apart, alternating from side to side of the street, in the business part of the city, and in no case further than two hundred feet distant from each other. Once placed the expense is about complete, and they will be found much cheaper than hose, besides being more convenient.

The smoke nuisance, from which the city has suffered considerably, is in a fair way of being abated. The inspector appointed during the past summer has accomplished much. The good results produced from the labors of that officer, without creating embarrassment to those doing business, make him deserving of special commendation.

Your attention is called to the danger that threatens from the promiscuous use of wire about the city for the purpose of conveying electric force for lighting. That these wires are dangerous now there can be no doubt. That the dangers will increase as the wires and insulators are exposed to the ravages of time by decay is certain. Steps should immediately be taken to prevent the placing of these wires in any position where they can form a cross or connection with any other conducting substance.

In reference to police affairs I wish briefly to direct your

attention to a recent change in the control of the force. Some months ago the Board of Police Commissioners adopted a measure placing, for the first time in many years, the management of the force entirely under the control of the Superintendent, thereby breaking up the old standing and vicious method of interference with the men of the force by the Commissioners as individuals, which I am pleased to state has resulted in a great benefit to the department and citizens. It is to be hoped that this salutary rule will be allowed to stand by our successors without interruption.

The Infirmary Department, I am proud to say, has been better managed during the past year than perhaps ever before in the history of the city. The change from an elective to an appointive board has resulted in evident benefits to the department and city, and demonstrates the wisdom of having positions requiring fitness for peculiar service appointive rather than elective. This department has felt the rapid growth of the city perhaps more than any other. But a few years ago additions were built at an expense of \$60,000 which were supposed to afford ample accommodation for many years. The great increase in population, however, coupled with the business depression of past years has crowded the department in all its branches to the utmost limit. The Directors made faithful efforts to secure the passage of a bill introduced by Mr. Burnett in the General Assembly at its recent session, which would have afforded the necessary relief, but without success. This bill contemplated a transfer from the large surplus now in the hands of the county authorities to the credit of the poor fund; an amount sufficient to enable the Trustees to make the required additions to the Infirmary. The amount so sought to be transferred was a *portion* of the funds *raised in the city* by the "Scott Law" and credited to the County Poor Fund, and for which the county has no use; that is, no use for poor purposes. This provision of the Scott law, which gave

this money to the county, is a general provision, enacted, I have no doubt, on the supposition that our county, like every other county in the state, had a county infirmary. The bill passed the House, but on account of the determined efforts of the county authorities, who desire to use this poor fund surplus to rebuild the county Court House, the bill was held back by the committee having it under consideration and did not become a law. Had the Senators from this county lent their aid instead of opposition, it would have been a law, and our Infirmary Directors would have been enabled to make suitable arrangements for the care of the poor and insane. The probabilities are that you will be called upon to borrow, perhaps, \$30,000 or \$40,000 for this department, the needs of which are so pressing and its character such as to prove commendable to every one possessing sympathetic feeling for suffering humanity.

I understand that the Assembly recently passed a law authorizing the city to procure hospital accommodations for the sick poor at the different hospitals of the city, but not having a certified copy of the Act at hand, I will defer the subject for future communication.

The bequest of the late A. A. Henderson to the city, on the basis of the compromise which was effected, will yield the city \$55,000. This money, according to the wishes of Mr. Henderson, is to be used for the purpose of industrial education of homeless youth. I would recommend that this be accomplished by arranging with the Workhouse Directors for the purchase of a farm somewhere convenient to the city, to take the place of the Refuge Department of that institution.

One important matter with which I desire to impress you, and one that I hope you will not lose sight of during your respective terms, is, that you exercise great care and caution in granting rights to corporations enjoying special privileges. I trust you will enact ordinances of that character in the form of contracts with the grantees and surround

them as much as possible with such safeguards as will enable the city to exercise all necessary control, with full power to enforce the provisions thereof.

In conclusion, gentlemen, allow me to offer you my congratulations in assuming the honors and important duties that now surround you as Trustees of the city of Cleveland. The interests of this large city are in your hands, a city soon to become the most important in Ohio, and even now looked upon as one of the most rapidly advancing and prosperous throughout the United States. We are to be congratulated that our business and growth and material interests have not been retarded nor injured by the calamities that are incident to floods or the devastations of the elements. Cleveland shows every prospect of increase and progress. In your deliberations in this Council you will be called upon to exercise your highest qualities, and I trust your judgment, wisdom and discretion during the coming year, will result in the most satisfactory administration of the affairs of your honorable body, so as to reflect credit upon yourselves and meet with favor at the hands of our citizens.

JOHN H. FARLEY.

REPORTS OF
CITY OFFICIALS

to the

2010-2010-2010

ANNUAL REPORT

OF THE

CITY AUDITOR

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1883.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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REPORT OF THE CITY AUDITOR.

CLEVELAND, O., January 7, 1884.

To the Honorable City Council:

GENTLEMEN:—I herewith submit the annual statement of the accounts and finances of the City of Cleveland for the year 1883, embraced in tables numbered from one to eighteen, inclusive, and showing as follows :

TABLE 1.—A general exhibit of resources and disbursements for 1883, in account with the Ex-City Treasurer and the present incumbent.

TABLE 2.—An analysis of resources and disbursements of each general fund for 1883.

TABLE 3.—A comparison of ordinary expenses of each department and fund, paid by ordinance for 1882 and 1883.

TABLE 4.—The condition of each fund and account, January 1, 1884.

TABLE 5.—Amount, maturity and proceeds of all bonds issued in 1883.

TABLE 6.—Amount and maturity of general bonds outstanding January 1, 1884.

TABLE 7.—Amount and maturity of street improvement bonds outstanding January 1, 1884.

TABLE 8.—Amount and maturity of street damage bonds outstanding January 1, 1884.

TABLE 9.—Amount and maturity of sewer bonds outstanding January 1, 1884.

TABLE 10.—Recapitulation of bonds outstanding January 1, 1884.

TABLE 11.—Temporary loans unpaid January 1, 1884.

TABLE 12.—Comparison of city debt of all kinds January 1, 1883 and 1884.

TABLE 13.—Principal and interest of bonds and notes maturing in each month of 1884.

TABLE 14.—A comparative showing of items included, for thirteen years—1871 to 1883 inclusive.

TABLE 15.—The municipal levy for each general fund in the tax of 1883, and comparison with that of 1882.

TABLE 16.—Amounts levied in the tax of 1883 upon sewer districts.

TABLE 17.—List of assessments prepared by the City Auditor's department and levied in the tax of 1883.

TABLE 18.—Results in 1883.

In submitting this my SIXTH annual statement I call attention to Table 18, showing among other things:

First—That notwithstanding the issue of bonds to extend the water works and to build sewers, as shown in Table 5, the total city debt has been reduced by \$68,851.94.

Second—That notwithstanding the payment from the Sinking Fund of 1862 of \$104,913.71 toward the cost of paving, and the cancellation of \$40,000 of maturing bonds held by said fund, the total of all sinking funds has increased by \$2,201.41.

Third—That the city has paid in 1883 \$711,407.11 for permanent improvements, as shown in Tables 1 and 2.

I desire also to submit the following table of items showing results for six years past.

RESULTS IN SIX YEARS FROM 1878 TO 1883, INCLUSIVE.

	Dec. 31, 1878.	Dec. 31, 1883.	Reduction.
General bonds outstanding.....	\$6,678,000 00	\$5,982,000 00	\$696,000 00
Special bonds, notes and overdrafts	2,844,087 85	1,069,861 62	1,774,676 23
Certified estimates.....	17,798 99	.....	17,798 99
Net reduction of city debt of all kinds in 6 years.....			\$2,488,475 22
Total par value of all sinking funds and cash in the treasury.....	\$2,070,745 48	\$1,740,663 95	\$330,081 61
Amount paid in 1882 and 1883, from the sinking fund of 1862, for repaving streets.....		\$667,486 11	

Amounts expended in six years for permanent improvements, as itemized in the Auditor's report for each year.

In 1878.....	\$ 595,144 54
" 1879.....	89,682 35
" 1880.....	48,594 54
" 1881.....	33,879 45
" 1882.....	805,183 20
" 1883.....	711,407 41
Total.....	\$ 2,288,841 49
Increase of taxable valuation from 1878 to 1883.....	\$14,850,821 00

RATE OF CITY TAX.

The upward tendency of the rate of taxation demands the serious attention of the City Council, and of tax paying citizens generally.

Improvements in streets and the building of sewers must go on, and local taxation for these must be levied more or less every year, and if, in addition to these local taxes, the general tax rate be high, hardship must result to many citizens. At the same time, a high rate of general tax is a most effectual check upon the investment of capital in the city.

Every reasonable and lawful means should be employed to prevent a high rate of general tax. Among such means it seems to me are the following:

First. Expenditures from every fund should be prudent. Except in cases of clear emergency, every board should not only keep within the resources lawfully provided for the current year, but should not greatly exceed the average expenditures of recent years. And the providing of any surplus or grab-bag fund to which the various boards could resort upon having exhausted their legitimate resources, would not only violate the spirit of existing statutes, but be opposed to the best public policy.

Second. Effective steps should be taken, and followed up, to enlist all descriptions of personal property on the tax duplicate as completely as real property is enlisted.

Third. Parties using the public highways for individual profit, as street railroad, gas, telephone, telegraph, electric and other companies, should be required to pay adequate sums into the City Treasury to relieve the expense of keeping the streets in order.

Fourth. A comprehensive system of licenses, similar to that enacted for Cincinnati by the last legislature, should be enacted for Cleveland. All persons making extraordinary use of public property, or requiring extra municipal service or protection, should be required to make extra tribute toward municipal expenses.

Not till all these sources of revenue are brought into service, will the burden of municipal expense be equitably borne.

TABLE No. 1.

**A GENERAL EXHIBIT OF RESOURCES AND DISBURSEMENTS
OF 1883 IN ACCOUNT WITH THE EX-CITY TREASURER
AND THE PRESENT INCUMBENT.**

RESOURCES.	Amounts received by S. T. Everett, Treas. from Jan. 1, 1883, to April 16, 1883.	Amounts received by Thos. Ax- worthy, Treas. from April 16, 1883, to Jan. 1, 1884
<i>Balance cash on hand April 16, 1883, and paid over to Thomas Axworthy by S. T. Everett.</i>		\$ 800,146 87
Taxes	\$ 925,561 00	661,668 88
Sale of bonds	842,222 22	164,830 85
City's one-half of cost of repav'g, (sinking fund of 1862)	11,851 14	84,076 87
From L. S. & M. S. Ry. Co. for Willson ave. R.R. bridge	18,000 00	
Receipts to Armory fund	120 00	60 00
" Bridge fund	285 00	705 00
" Fire Department	846 15	1,891 19
" General fund	6,416 01	88,810 96
" House of Correction fund	27,521 79	53,118 81
" Interest fund		1,168 88
" Infirmity fund	6,617 15	18,119 11
" Lighting fund	10	21 00
" Market fund	4,428 75	21,618 07
" Park fund		16 60
" Police Department	268 65	82,579 95
" Police Court fund	6,910 68	12,784 14
" Repaving fund, from Brooklyn St. Ry. Co.	519 86	
" Street fund	2,639 59	7,051 91
" Sanitary fund	805 50	1,851 25
" Sinking fund (for General bonds)	1,881 23	
" Viaduct sinking fund	106 75	2,542 70
" Water Works fund	27,521 81	828,715 01
" for Leutkemeyer, Gaennsler & Meyer (Inter- est on deposits)	822 21	183 80
" Ontario street paving, from Brooklyn St. Ry. Co.	174 12	
" Erie street repaving, from Brooklyn St. Ry. Co.	155 92	
Miscellaneous receipts		505 18
Forfeited bond of sewer contractor, District No. 15		500 00
From Sinking Fund Comm'rs from Gen'l Sinking fund		46,000 00
From Sinking Fund Comm'rs, from sinking fund 1862:—		
For special debt assumed by the city		504 61
For Scovill avenue street intersections		9,485 70
Temporary loans		58,500 00
Total amount received by S. T. Everett, Treasurer, from January 1 to April 16, 1883.	\$1,880,120 63	
Total amount received by Thomas Axworthy, Treas- urer, from April 16, 1883, to January 1, 1884.		\$ 2,446,895 34
Amount received by S. T. Everett	\$1,880,120 63	
" Thos. Axworthy	2,446,895 34	
Total	\$3,827,015 97	
Less amount paid by S. T. Everett to Thos. Axworthy	800,146 87	
Net income for the year 1883	\$3,026,869 60	

TABLE No. 1.—Continued.

EXPENDITURES.		
Ordinary running expenses, including Water Works..	\$ 981,270 00	
General bonds paid, 1888.....	101,000 00	
Interest on city debt.....	381,529 47	
Dredging bonds and interest.....	21,200 00	
Cost of cleaning ice from river.....	2,303 70	
Special bonded debt and miscellaneous expenditures..	444,128 40	
Paid to Sinking Fund Commissioners.	67,119 68	
Taxes on City Hall property....	6,955 34	
Special taxes on city property.....	2,838 34	
Damages and costs of court paid from General fund,..	1,747 89	
" " " " " " " House of Cor- rection fund.....	2,111 50	
Permanent improvements (see Table No. 2 for items).....		
From Bridge fund.....	86,778 89	
" Fire Department fund.....	2,957 89	
" General fund.....	2,885 00	
" House of Correction fund.....	2,092 73	
" Infirmary fund	8,061 15	
" Lighting fund.....	5,034 04	
" Water Works fund.....	410,912 06	
For Wade Park improvement	20,734 87	
" Repaving streets.....	227,450 78	
Payment of Bank street sewer note and interest.....	8,418 25	
" " repaving loans and interest.....	68,046 61	
Taxes refunded.....	48,728 76	
Total expenditures.....	\$2,838,810 55	\$ 2,838,810 55
Thos. Axworthy, Treasurer:—		
Cash on hand January 1, 1884.....	\$ 179,752 86	
Cash on special deposit at Savings Bank.	8,806 19	188,059 05
Total.....		\$ 3,026,869 60

RECAPITULATION OF TABLE No. 1.

Cash received by S. T. Everett, Treasurer	\$1,890,120 63	
Amount disbursed by S. T. Everett, Treasurer	579,974 26	
<i>Balance on hand and paid to Thomas Axworthy, Treasurer, April 16, 1883</i>	<i>\$ 900,146 87</i>	
Other amounts received by Thomas Axworthy Treas. . .	1,646,748 97	
Total amount charged to Thomas Axworthy. Treas. . .	\$2,446,895 84	
Amount disbursed by " " "	2,258,836 29	
<i>Balance on hand January 1, 1884</i>	<i>\$ 188,059 05</i>	
Net income for 1883		\$3,026,869 60
Amount disbursed by S. T. Everett, Treasurer	\$ 579,974 26	
" " " Thos. Axworthy, "	2,258,836 29	
Total expenditures for 1883		2,838,810 55
<i>Balance on hand January 1, 1884.</i>		<i>\$ 188,059 05</i>

TABLE No. 2.
ANALYSIS OF THE RESOURCES AND DISBURSEMENTS OF
THE GENERAL FUNDS OF THE CITY OF CLEVELAND FOR THE YEAR 1883.

ARMORY FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 14 99	
Armory rents.....	180 00	\$ 194 99
<i>Disbursements.</i>		
Ordinary expenses.....	150 07	150 07
Cash on hand January 1, 1884.....		44 92
BRIDGE FUND.		
<i>Resources.</i>		
Cash on hand January 1, 1883.....	\$ 4,680 83	
City tax levy.....	20,803 95	
County tax levy.....	20,401 80	
Temporary loan for Upper Central Way bridge.....	27,500 00	
From West Side Street R. R. Co.....	752 00	
From Brooklyn street R. R. Co.....	188 00	\$ 78,825 58
<i>Disbursements.</i>		
Ordinary expenses.....	36,598 08	
Work on Upper Central Way Bridge:		
Temporary bridge.....	364 82	
Removing old bridge.....	175 00	
Foundation for bridge house.....	220 00	
Masonry for new bridge.....	17,075 99	
Iron work for new bridge.....	13,700 60	
Paving approaches.....	1,210 62	
Superintending above work.....	364 00	
Work on Lower Central Way bridge:		
Repaving approaches.....	678 58	
Superintending above work.....	53 00	
Work on Columbus street bridge:		
Abutments.....	1,889 88	
Superintending above work.....	197 50	78,876 97
Cash on hand January 1, 1884.....		448 61

TABLE No. 2—Continued.

DREDGING FUND.		
<i>Resources.</i>		
Cash on hand January 1, 1883.....	\$ 46,836 72	
General taxes.....	24,864 75	
Special taxes.....	81,871 69	
Warrant credited back.....	60 00	\$ 62,183 16
<i>Disbursements.</i>		
Ordinary Expenses.....	81,748 88	
Payment of bonds issued in 1878	20,000 00	
Payment of interest on same.....	1,200 00	
Cost of cleaning river of ice, lumber, etc., at time of gorge.....	2,808 70	
Taxes refunded.....	1,427 70	56,675 28
Cash on hand January 1, 1884.....		\$ 457 88
FIRE DEPARTMENT FUND.		
<i>Resources.</i>		
Cash on hand January 1, 1883	\$ 185 18	
General taxes.....	158,870 82	
Cash deposits by Secretary.....	2,858 89	
Transfer from market fund.....	5,500 00	
Warrants credited back.....	878 95	166,743 29
<i>Disbursements.</i>		
Ordinary expenses.....	166,625 66	
Permanent improvements	2,957 89	166,583 55
Cash on hand January 1, 1884.....		169 74

TABLE No. 2—Continued.

GENERAL FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 10,447 09	
General taxes.....	109,641 84	
Reimbursements from special accounts.....	8,681 24	
Receipts from hay scales, cow pounds, licenses, etc....	7,802 28	
Receipts from City Hall rents.....	9,855 18	
Receipts from Scott tax.....	77,011 96	
Warrants credited back.....	57 55	\$218,446 64
<i>Disbursements.</i>		
Ordinary expenses.....	128,408 49	
Tax on City Hall property, last ½ of 1882, and 1st ½ of 1883.....	6,955 84	
Special taxes on city property.....	2,833 84	
Damages and costs of court.....	1,747 89	
Cost of fitting up attic in City Hall Building....	2,885 00	
Amount appropriated by Ordinance 109, passed by the Council August 23, 1883, to pay certain bonded indebtedness.....	71,561 48	
Temporary payments from General Fund for grading sundry streets in the 14th Ward	882 61	209,778 65
Cash on hand January 1, 1884.....		8,672 99
HOUSE OF CORRECTION FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883	\$ 20,861 08	
General taxes	16,243 16	
Cash deposits by Superintendent.....	80,640 10	\$117,244 34
<i>Disbursements.</i>		
Ordinary expenses.....	102,274 02	
Damages (Beaumont case.).....	2,111 50	
Permanent improvements	2,092 78	106,478 25
Case on hand January 1, 1884		10,766 09

TABLE No. 2—Continued.

INTEREST FUND.		
<i>Resources.</i>		
General taxes.....	\$878,592 71	
Reimbursement from special accounts.....	8,893 43	
From Water Works fund.....	20,000 00	
Accrued interest on water works bonds.....	1,452 77	\$408,988 91
<i>Disbursements.</i>		
Amount overdrawn January 1, 1883.....	10,054 28	
Interest on bonded debt.....	881,529 47	891,583 75
Cash on hand January 1, 1884		12,855 16
INFIRMARY FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 5,962 58	
General taxes.....	28,425 53	
Receipts from City Clerk (licenses).....	6,899 83	
Receipts from Infirmary Clerk	14,106 63	
Receipts from Infirmary Superintendent.....	3,182 37	
Receipts from City Solicitor.....	451 74	
Amount held on warrant No. 188, drawn in 1877 in fa- vor of A. J. Piper, (suit now pending).....	146 19	\$ 59,124 32
<i>Disbursements.</i>		
Ordinary expenses.....	47,011 10	
Permanent improvements.....	8,061 15	50,072 25
Cash on hand January 1, 1884.....		9,052 07

TABLE No. 2—Continued.

LIGHTING FUND.		
<i>Resources.</i>		
Cash on hand January 1, 1883.....	\$ 1,005 64	
General taxes.....	97,458 97	
Transfer from Market Fund.....	10,000 00	
Miscellaneous receipts.....	21 10	\$ 108,485 71
<i>Disbursements.</i>		
For gas lights.....	\$ 69,571 24	
For electric lights.....	16,259 71	
For fluid lights.....	17,145 51	
For new lamp posts.....	2,926 00	
For new lanterns, glass and repairs.....	2,108 04	108,010 50
Cash on hand January 1, 1884.....		475 21
MARKET FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 1,801 81	
Rents, Central Market.....	12,155 00	
“ wholesale meat curbs.....	2,133 75	
“ Pearl Street Market.....	8,885 00	
“ 18th Ward Market and premiums.....	1,547 00	
Premiums on meat stalls, Pearl Street Market, (sold September 5, 1883.....	6,863 00	
Warrants credited back.....	57	\$ 27,338 13
<i>Disbursements.</i>		
Ordinary expenses.....	9,212 68	
Transfer to Lighting Fund.....	10,000 00	
“ “ Fire Department Fund.....	5,500 00	
“ “ Street Department.....	2,000 00	26,712 68
Cash on hand January 1, 1884.....		625 45

TABLE No. 2—Continued.

POLICE COURT FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 4,704 18	
From Police Clerk, fines etc.....	16,858 81	
From Superintend't of House of Correction, fines, etc.	2,765 01	
Warrants credited back.....	71 00	\$ 24,898 95
<i>Disbursements.</i>		
Ordinary expenses.....	12,410 89	12,410 89
Cash on hand January, 1, 1884.....		11,988 56
POLICE DEPARTMENT.		
<i>Resources.</i>		
Cash on hand January 1, 1883.....	\$ 4,067 08	
General taxes.....	150,249 25	
Receipts from Secretary.....	645 65	
Receipts from Scott tax.....	77,011 95	
Receipts from dog tax.....	5,191 00	\$287,164 98
<i>Disbursements.</i>		
Ordinary expenses	162,579 20	162,579 20
Cash on hand January 1, 1884.....		74,585 73
PARK FUND.		
<i>Resources.</i>		
Cash on hand January 1, 1883.....	\$ 2,529 05	
General taxes.....	12,182 88	
Temporary loans for Wade Park improvement.....	20,000 00	
Miscellaneous receipts.....	16 60	\$ 84,728 08
<i>Disbursements.</i>		
Ordinary expenses.....	11,006 47	
Wade Park improvement	20,784 87	81,741 84
Cash on hand January 1, 1884.....		2,986 69
Wade Park improvement expenses, 1882... 500 00		
“ “ “ “ 1883... 20,784 87		
Total amount expended..... 21,284 87		

TABLE No. 2—Continued.

STREET DEPARTMENT.		
<i>Resources.</i>		
Cash on hand January 1st, 1883.....	\$ 591 27	
General taxes.....	78,094 23	
Delinquent sidewalk tax.....	1,128 47	
From City Clerk (street car licenses).....	1,088 00	
Receipts for street repairs, etc.	8,568 44	
Transfers from Sewer Districts, for repairs.....	459 28	
Transfers from Market Fund.....	2,000 00	
Warrants credited back.....	102 06	\$ 87,976 75
<i>Disbursements</i>		
Ordinary expenses.....	83,816 62	
Sidewalk taxes refunded.....	1,956 49	85,773 11
Cash on hand January 1, 1884.....		1,203 64
SANITARY FUND.		
<i>Resources.</i>		
Cash on hand January 1st, 1883	\$ 722 43	
General taxes.....	20,303 95	
Receipts from Secretary.....	2,656 75	\$ 23,683 13
<i>Disbursements.</i>		
Ordinary expenses.....	22,646 73	22,646 73
Cash on hand January 1, 1884.		1,036 40

TABLE No. 2—Continued.

SINKING FUND—For General Bonds.		
<i>Resources.</i>		
Cash on hand January 1, 1883:		
City Treasurer	\$ 872 50	
Sinking Fund Commissioners.....	8,491 25	
General taxes.....	82,486 33	
From Special Road Fund.....	2,605 91	
Proceeds of sale of land.....	1,881 23	
Transfer from General Fund	55,000 00	
Earnings for the year, as per Sinking Fund Commis- sioner's report	500 88	
Miscellaneous receipts.	455 08	\$101,792 63
<i>Disbursements.</i>		
For Funded Debt Bonds.....	51,000 00	
For House of Correction Bonds	44,000 00	
For Infirmary Bonds	6,000 00	101,000 00
Cash in hands of Sinking Fund Commissioners, Jan- uary 1, 1884.....		792 63

TABLE No. 2—Concluded.

VIADUCT AND CANAL SINKING FUND.

Resources.

Cash on hand January 1, 1883:

City Treasurer.....	\$ 411 75	
Sinking Fund Commissioners.....	420,110 12	
General taxes.....	20,303 95	
Rents (Viaduct property)	655 70	
Payment by R. D. Dennis for land	363 75	
Three notes given by R. D. Dennis for land.....	1,106 25	
Payment by Lord, Bowler & Co. for land.....	1,625 00	
Three notes given by Lord, Bowler & Co. for land..	4,875 00	
Transfer from Canal Fund (surplus money)	975 64	
Earnings for the year—as per Sinking Fund Com- missioners' report	28,679 78	
Transfer from Viaduct Fund (surplus money)	927 76	\$480,089 70
In hands of Sinking Fund Commissioners, January 1, 1884.....	478,108 58	
In hands of City Treasurer, January 1, 1884.....	1,931 12	480,039 70

WATER WORKS FUND.

Resources.

Cash on hand January 1, 1883	\$ 24,264 77	
Proceeds of sale of \$200,000 bonds.....	201,120 00	
Water rents.....	283,238 72	
Warrants credited back.....	12,998 10	\$521,621 59

Disbursements.

Ordinary expenses.....	71,960 92	
Permanent improvements	410,912 06	
Payment to Interest Fund.....	20,000 00	502,872 98
Cash on hand January 1, 1884.....		18,743 61

TABLE No. 3.
COMPARISON OF ORDINARY EXPENSES OF EACH DEPARTMENT AND FUND PAID BY ORDINANCE IN 1882 AND 1883.

Fund.	1882.	1883.	Increase.	Decrease.
*Bridge	\$ 84,122 15	\$ 86,598 08	\$ 2,475 93	.....
Dredging.....	81,974 78	81,748 88	.....	225 90
†Fire Department.....	154,686 94	163,625 66	8,938 72	.....
General.....	115,443 84	123,408 49	7,965 15	.....
House of Correction.....	86,882 28	102,274 02	15,391 74	.....
Infirmary	89,790 98	47,011 10	7,220 17	.....
Lighting	95,808 62	102,976 46	7,167 84	.....
Market	8,884 86	9,212 68	327 82	.....
Police Department	148,089 10	162,579 20	14,540 10	.....
Police Court.....	12,846 75	12,410 89	.....	435 86
Park.....	7,959 37	11,006 47	3,047 10	.....
Sanitary	20,329 82	22,646 73	2,317 41	.....
Street.....	87,860 01	83,816 62	.....	4,043 39
Water Works	72,615 96	71,960 92	.....	655 04
Total ...	917,244 41	981,270 70	64,026 29	5,865 69
Deduct .....	.....	917,244 41	5,865 69	.....
Net increase .....	.....	64,026 29	64,026 29	.....

*BRIDGE FUND.—In addition to the above statement, bills for ordinary expense, approved in time for the December ordinance, 1883, were carried over into 1884, to the amount of \$3,149.76.

†FIRE DEPARTMENT FUND.—There were paid, in 1883, bills of November, 1882, to the amount of \$1,004.77; and likewise bills of November, 1883, are carried over into 1884, to the amount of \$1,118.44.

TABLE No. 4

STATEMENT OF THE CONDITION OF THE VARIOUS FUNDS
OF THE CITY OF CLEVELAND, JANUARY 1, 1884.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
1	Atlantic street, grading, etc.....		\$ 1,766 56
2	Armory Fund.....		
3	Allen street, grading, etc.....		
4	Academy street, sewer.....		
5	Allen street, opening.....		8,857 92
6	Bond street, opening.....		5,481 25
7	Becker avenue, widening.....		• 712 08
8	Broadway, paving, Ohio to Independence	\$ 5,000 00	6,978 94
9	Broadway, paving, Independence to Union	20,000 00	20,449 81
10	Broadway, paving, Union to Miles.....	100,000 00	100,687 22
11	Broadway, repaving, Ohio to Liberal		
12	Broadway, repaving, Independence to 900 ft. south.		
13	Broadway, repaving, 900 ft. south of Indp'ce to Mead		
14	Beckwith street, improvements.....		1,020 83
15	Bank street, sewer... ..		590 68
16	Bridge Fund	27,500 00	
17	Bank street, repaving		106 89
18	Broadway, paving, Miles to Woodland Hills.....		104 96
19	Bridge street, sewer		
20	Cemetery Fund.....		
21	Clark avenue, grading, etc		89 69
22	Central Place, opening	43,500 00	
23	Clinton street, grading, etc.....		7 01
24	Commercial street, sewer		
25	Cedar avenue, grading, Perry to Willson.....		
26	Chestnut Ridge street, McAdam	8,000 00	11,028 99
27	Commercial street, improvements		
	<i>Carried forward</i>	204,000 00	152,376 73

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
				\$ 1,766 58		1
\$ 14 99	\$ 150 07	\$ 180 00			\$ 44 92	2
53 05		27 17			80 22	3
	404 80	651 08			246 28	4
		1,414 89		1,943 08		5
	87,450 00	16,500 85		26,480 90		6
		472 61		289 42		7
	100 00	5,016 95		2,056 99		8
	400 00	20,067 77		781 54		9
	2,075 59	100,640 05	\$ 8,415 14	2,122 68		10
2,926 19	17,265 59	18,984 75		409 65		11
491 30	1,097 88	721 04			114 46	12
2,526 85	148 24	18,675 11			17,058 22	13
				1,020 82		14
	8,402 12	8,992 75				15
4,680 83	73,876 97	69,145 25			448 61	16
	3,882 88	4,943 79			1,454 07	17
				104 96		18
	2,610 74	2,778 10			162 36	19
	4,060 79	4,060 79				20
		89 69				21
26,881 64	16,785 00	9,541 59			19,138 23	22
	20 08			27 09		23
40 75	80 78	89 98				24
660 86	874 23	5 88			292 01	25
	7,510 00	8,027 12		10,511 87		26
596 44	596 44					27
89,866 40	171,287 01	275,921 71	8,415 14	47,415 01	89,039 88	

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Brought forward</i>	204,000 00	152,876 78
1	Cedar avenue, McAdam, Willson to Fairmount....	10,000 00	7,245 62
2	Case avenue, paving, Euclid to Garden.....		
8	Canal Fund.....	275,000 00	
4	Central Way, masonry		
5	Columbus, Pearl and Walworth Run Bridge, imp's..	33,400 00	
6	Charles street, sewer.....		
7	Chapel street, sewer.....		
8	Church street, grading and curbing		
9	Detroit st., repaving 208 ft. w. of Waverly to City lim.		
10	Detroit street, repaving, Pearl to Waverly		157 18
11	Dredging Fund.....		
12	East Madison avenue, McAdam.....		168 27
13	Erie street, repaving, Lake to Woodland.....		4,924 23
14	Euclid avenue, McAdam, Fairmount to City limits.	5,000 00	
15	Euclid avenue, repaving, Perry to Case.....		
16	Euclid avenue, repaving, Case to Willson		
17	Euclid avenue, paving, west of Erie st.	26,000 00	11,194 78
18	Euclid avenue, paving, Willson to Fairmount.....	32,000 00	22,696 68
19	Euclid avenue, repaving, Willson to Fairmount....		
20	East Prospect street, sewer.....		
21	Euclid avenue, sewer, Russell to Giddings Brook..	1,500 00	
22	Fire Department		
23	Forest street, grading and damages....		
24	Funded Debt, bond account	1,880,000 00	
25	Fairmount street, McAdam	1,800 00	1,811 62
26	Franklin Circle, grade, etc		
27	Fairfield street, sewer		
	<i>Carried forward</i>	2,468,200 00	200,575 01

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.
39,866 40	171,287 01	275,921 71	8,415 14	47,415 01	39,039 88
	8,500 00	7,026 63		8,718 99	1
1,428 75	1,208 54				220 21 2
880 94	975 64	975 64			8
	4,186 48	3,805 54			4
	2,838 00	2,838 00			5
	2,447 07	2,460 36			13 29 6
	2,108 88	2,138 05			34 22 7
	1,932 85	2,124 64			191 79 8
431 19	1,718 12	1,221 55		75 38	9
	5,744 14	5,010 78		890 49	10
6,386 72	56,675 28	55,796 44			5,457 88 11
		168 27			12
	5,364 89	11,142 81			853 19 18
1,011 19	5,787 00	5,076 24			300 43 14
13,506 23	70,083 66	64,696 86			8,258 43 15
5,522 08	17,784 28	14,114 35			1,902 10 16
	6,870 00	11,037 28		6,527 45	17
	10,580 00	22,078 16		11,198 52	18
19,888 98	53,050 81	75,007 05			41,795 17 19
	4,185 28	4,185 28			20
	1,511 02	1,500 06		11 02	21
135 18	166,583 55	166,608 16			159 74 22
690 48	690 48				23
					24
	1,456 00			3,267 62	25
	981 13	504 75		476 38	26
		523 64			523 64 27
90,152 58	598,894 99	733,986 08	8,415 14	73,580 86	98,749 49

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Brought forward</i>	2,468,200 00	200,575 01
1	General Fund.....		
2	Garden street, paving, Brownell to Willson		
3	Grand avenue, grading, etc.....	7,000 00	7,612 70
4	Grand avenue, opening.....		
5	Greenwood street, sewer, Cedar to Garden.....		
6	Greenwood street, sewer, Garden to Scovill		
7	Hough avenue, grading and damages.....		1,473 44
8	Herman street, grading and damages		
9	House of Correction.....	100,000 00	
10	Hamilton street, grading, etc.....		68 58
11	Herald street, grading, etc.....	16,000 00	4,277 84
12	Hartford street, grading and draining		
13	Howe street, grading and paving.....		
14	Henry street, sewer		
15	Infirmity Fund.....	24,000 00	
16	Interest Fund.....		10,054 28
17	Iona street, grading, etc.....		
18	Isabella street, grading, etc.....		
19	Jennings avenue, grading and paving.	4,000 00	3,906 97
20	Jennings avenue, sewer		
21	Krupp alley, grading and paving.....		
22	Kinsman street, paving, etc.....	33,000 00	33,529 61
23	Laurel street, sewer.....		
24	Lorain street, grading and damages.....		
25	Lorain street, repaving, Pearl to Waverly.....	3,000 00	
26	Lighting Fund.....		
27	Leutkemeyer, Gaenssler and Meyer.....		
	<i>Carried forward</i>	2,655,200	261,498 43

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1888.	Disburse- ments for the Year 1888.	Receipts for the Year 1888.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
90,152 58	598,394 99	738,986 08	8,415 14	78,580 86	98,749 47	
10,447 09	209,773 65	207,999 55	.....	.....	8,672 99	1
798 95	394 75	.....	.....	.....	399 20	2
.....	140 00	7,084 60	.....	668 10	.....	3
.....	.....	324 51	.....	.....	324 51	4
.....	627 49	710 87	.....	.....	82 88	5
.....	1,661 67	1,756 54	.....	.....	94 87	6
.....	.....	.....	.....	1,478 44	.....	7
1,167 15	1,167 15	.....	.....	.....	.....	8
20,861 08	106,478 25	96,883 26	.....	.....	10,766 09	9
.....	.....	68 58	.....	.....	.....	10
.....	4,880 00	4,013 57	.....	5,144 27	.....	11
.....	181 80	879 90	.....	.....	248 60	12
.....	1,723 95	2,001 05	.....	.....	277 10	13
.....	2,121 97	2,138 36	.....	.....	16 39	14
5,962 53	50,072 25	53,161 79	.....	.....	9,052 07	15
.....	381,529 47	408,938 91	.....	.....	12,855 16	16
75 87	75 87	.....	.....	.....	.....	17
126 67	126 67	.....	.....	.....	.....	18
.....	80 00	4,013 57	186 29	.....	26 60	19
.....	410 29	4,252 68	.....	.....	8,842 39	20
95 28	95 28	.....	.....	.....	.....	21
.....	21,948 05	33,336 23	.....	22,141 38	.....	22
.....	1,926 46	2,177 03	.....	.....	250 57	23
29 50	30 30	9 83	.....	.....	9 03	24
2,655 28	28,748 88	27,882 73	.....	.....	1,294 13	25
1,006 64	108,010 50	107,480 07	.....	.....	475 21	26
7,850 68	.....	955 51	.....	.....	8,306 19	27
140,222 80	1,520,543 69	1,694,054 72	8,601 43	108,008 05	155,243 45	

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Brought forward</i>	2,655,200	261,498 43
1	Market Fund		
2	Marquette street, damages		187 40
8	Monument Square, repaving		
4	Maple street, sewer		
5	North Woodland avenue, opening		
6	Orange street, opening		4,068 49
7	Ontario street, paving		
8	Police Court Fund		
9	Police Department		
10	Payne avenue, grading and curbing		1,483 06
11	Park Fund	885,000 00	
12	Pearl street, repaving, Detroit to Willey		
18	Payne avenue, opening	89,600 00	
14	Prospect street, repaving, Erie to Perry		
15	Prospect street, paving, Perry to Willson		
16	Pearl street, repaving, Willey to Monroe		
17	Poplar street, grading and draining		
18	Prospect street, repaving, Perry to Sterling		966 81
19	Prospect street, repaving, Sterling to Case		5,157 24
20	Prospect street, paving, Case to Willson		
21	Pearl street, paving, (old account)		484 96
22	Perry street, paving		
23	Repaving Fund		
24	Russell avenue, opening		2,118 25
25	Sibley street, curbing. Case to Kennard		
26	Sibley street, grading, etc., Hayward to Case		
27	Street Department		
	<i>Carried forward</i>	3,079,800 00	275,909 64

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
140,222 80	1,520,548 69	1,694,054 72	8,601 48	108,008 05	155,248 45	
1,301 81	26,712 68	26,036 82	.....	.....	625 45	1
.....	2,100 00	958 09	.....	1,384 81	.....	2
2,019 72	1,708 68	461 01	.....	.....	777 10	3
.....	4,444 80	4,488 66	.....	.....	38 86	4
642 15	642 15	.....	.....	.....	.....	5
.....	.....	1,870 98	.....	2,197 56	.....	6
.....	174 12	174 12	.....	.....	.....	7
4,704 18	12,410 89	19,694 82	.....	.....	11,988 56	8
4,067 08	162,579 20	283,097 85	.....	.....	74,585 78	9
.....	410 92	1,843 98	.....	.....	.....	10
2,529 05	31,741 34	32,198 98	.....	.....	2,986 69	11
2,148 81	5,226 35	3,012 49	.....	65 55	.....	12
70,458 17	105,735 76	29,408 14	.....	5,874 45	.....	13
1,312 20	399 59	.....	.....	.....	912 61	14
2,235 32	2,235 32	.....	.....	.....	.....	15
898 01	2,332 67	1,396 12	.....	38 54	.....	16
348 55	467 64	21 56	.....	97 53	.....	17
.....	66 80	1,066 88	.....	.....	53 27	18
.....	482 82	6,644 99	.....	.....	1,004 93	19
.....	.....	568 89	.....	.....	568 89	20
.....	.....	.....	484 96	484 96	.....	21
1,317 54	500 00	.....	.....	.....	817 54	22
19,676 93	20,182 67	519 86	.....	.....	14 12	23
.....	.....	999 79	.....	1,113 46	.....	24
113 71	36 08	6 29	.....	.....	83 97	25
174 75	91 08	22 89	.....	.....	106 56	26
591 27	85,773 11	86,885 48	.....	.....	1,208 64	27
254,811 00	1,987,042 76	2,144,988 36	9,086 89	114,214 41	251,011 87	

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Brought forward</i>	3,079,800 00	275,909 64
1	Sanitary Fund.....		
2	Sinking Fund (for General Bonds).....		
3	Seneca street, repaving, Superior to St. Clair.....		
4	Street intersections.....		898 97
5	Superior street, repaving, Park to Erie.....		
6	Special Road Fund.....		
7	State street, grading and curbing.....		
8	Spruce street sewer.....		
9	Seneca street, opening, grading and damages.....	6,000 00	
10	Superior street, grading, etc., Perry to Willson.....		
11	Superior street, repaving, Water street to Park.....		3,058 26
12	Superior street widening.....	6,000 00	6,704 81
13	St. Clair street, paving, Erie to Water.....		
14	St. Clair street widening.....		7,726 04
15	Summit street, grading and curbing.....		
16	Summit street opening.....	20,300 00	5,785 08
17	Seyler alley damages.....		
18	School Bond account.....	150,000 00	
19	St. Paul street, grading and damages.....		6 20
20	Slater street, opening.....		
21	Superior street, repaving, Erie to Perry.....	3,000 00	
22	Sewer Districts, 1 and 2, E. Cleveland.....	6,500 00	
23	Sewer District 3, E. Cleveland.....		
24	Superior street sewer, east of Doan Brook.....		1,844 80
25	Sewer District No. 1.....	11,300 00	1,078 56
26	" " " 2.....	15,600 00	
27	" " " 3.....	2,000 00	
	<i>Carried forward</i>	3,800,500 00	302,507 86

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
254,811 00	1,987,042 76	2,144,983 86	9,086 39	114,214 41	251,011 87	
722 43	22,646 78	22,960 70	.....	.....	1,036 40	1
8,863 75	101,000 00	92,928 88	.....	.....	792 63	2
735 61	3,097 95	1,760 11	.....	602 23	.....	3
.....	14,715 51	18,297 11	.....	.....	8,188 23	4
7,067 03	23,565 50	17,282 86	.....	.....	788 89	5
2,605 91	2,605 91	.....	.....	.....	.....	6
.....	3,010 04	1,974 19	.....	1,035 85	.....	7
.....	871 42	525 51	.....	.....	154 0 9	8
2,810 76	10,007 04	5,018 23	.....	2,183 05	.....	9
10,789 71	169 21	182 96	.....	.....	10,803 46	10
.....	2,395 33	4,793 10	.....	660 49	.....	11
.....	120 00	6,020 34	.....	804 47	.....	12
2,171 11	6,800 00	4,128 89	144 87	.....	.....	13
.....	.....	1,854 88	.....	6,371 66	.....	14
47 74	29 43	29 95	.....	.....	48 26	15
.....	4,879 50	7,676 27	.....	2,488 31	.....	16
633 79	633 79	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	18
.....	.....	6 20	.....	.....	.....	19
2,071 00	2,568 00	.....	.....	497 00	.....	20
4,837 00	15,958 53	11,277 15	.....	.....	155 62	21
2,223 75	7,810 00	5,586 25	.....	.....	.....	22
205 22	.....	.....	.....	.....	205 22	23
.....	1,052 76	2,897 56	.....	.....	.....	24
.....	6,157 95	6,565 65	.....	670 86	.....	25
1,364 48	10,578 41	10,711 69	.....	.....	1,497 76	26
288 47	9,869 33	8,240 05	.....	840 81	.....	27
202,248 76	2,235,585 10	2,375,151 49	9,231 26	130,369,14	269,676 93	

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Brought forward</i>	3,300,500 00	302,507 36
1	Sewer District No. 4		
2	“ “ “ 5	19,400 00	
3	“ “ “ 6		
4	“ “ “ 7	192,800 00	840 87
5	“ “ “ 8		
6	“ “ “ 9	8,000 00	410 23
7	“ “ “ 10		
8	“ “ “ 11		
9	“ “ “ 12	8,600 00	
10	St. Clair street sewer	15,000 00	8,782 20
11	Superior street sewer, Monumental Park to Erie		
12	Sewer District No. 15	91,000 00	
13	Tod street, grading, etc		
14	Vine street sewer		
15	Viaduct and Canal Sinking Fund		
16	Viaduct Fund	2,188,000 00	
17	Vega avenue, grading, etc		83 94
18	Willson avenue opening, north of St. Clair	4,000 00	5,518 53
19	Wade Park avenue, grading, etc		6,930 47
20	Wade Park avenue, opening		11,253 47
21	Water Works Fund	1,100,000 00	
22	Willson avenue, damages, Julia to Sawtell		
23	Willson avenue, grading, Julia to Maurice		
24	Warner road, grading, masonry and bridge		1,519 48
25	Willson avenue, grading, Euclid to Woodland		
26	Willson avenue, grading, etc., Maurice to Sawtell		
27	Woodland Hills avenue, grading, etc.		
	<i>Carried forward</i>	6,876,900 00	837,841 60

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
802,248 76	2,235,585 10	2,375,151 49	9,281 26	180,369 14	269,676 98	.
812 99	6,126 34	4,909 88	.....	408 47	.....	1
1,388 81	2,808 68	2,579 49	.....	.....	1,114 62	2
768 05	.....	.....	.....	.....	768 05	8
.....	44,232 60	51,501 54	.....	.....	6,428 07	4
664 90	.....	.....	.....	.....	664 90	5
.....	8,351 16	9,415 57	.....	.....	654 13	6
218 82	.....	.....	.....	.....	218 82	7
151 00	8 00	.....	.....	.....	148 00	8
281 10	8,406 56	7,698 01	.....	482 45	.....	9
.....	5,432 00	8,027 12	.....	6,187 08	.....	10
.....	4,075 56	4,075 56	.....	.....	.....	11
.....	48,935 97	92,854 53	.....	.....	48,918 56	12
708 51	708 51	.....	.....	.....	.....	18
175 92	196 56	20 64	.....	.....	.....	14
420,521 87	.....	59,517 83	.....	.....	480,039 70	15
927 76	927 76	.....	.....	.....	.....	16
.....	.....	83 94	.....	.....	.....	17
.....	4,440 00	688 22	.....	9,265 31	.....	18
.....	.....	.....	.....	6,980 47	.....	19
.....	838 82	3,149 07	.....	8,943 22	.....	20
24,264 77	502,872 98	497,356 82	.....	.....	18,748 61	21
2,011 66	2,011 66	.....	.....	.....	.....	22
8,069 95	.....	1,606 71	.....	.....	9,676 66	23
.....	.....	1,570 60	.....	.....	51 12	24
670 34	.....	.....	.....	.....	670 34	25
1,172 73	.....	1,271 84	.....	.....	2,444 57	26
560 04	560 04	.....	.....	.....	.....	27
765,507 98	2,876,508 30	3,121,478 86	9,281 26	162,581 14	835,213 08	

TABLE No. 4—Continued.

		Amount of Bonds and Notes Outstanding Jan. 1, 1884.	Balance Debit Jan. 1, 1883.
	<i>Carried forward</i>	6,876,800 00	387,841 60
1	Woodland Hills avenue, damages ..		
2	Woodland ave, grading, etc., E. Madison to W. Hills.		
8	Woodland avenue, repaving, Ohio to Perry		821 95
4	Woodland avenue, repaving, Perry to Willson.....		
5	Willson ave., grading, Broadway to N. Y. P. & O. R'y		
6	Willson avenue, grading, Euclid to Lake Erie		18,000 00
7	Willson avenue, damages, Sawtell to Broadway		9,793 37
8	Walnut street, sewer		
9	Willey street, main sewer		
10	Water street, repaving	3,500 00	
11	<i>Total amount of overdrawn accounts</i>		
	Thos. Axworthy, City Treasurer:—		
12	Cash on hand January 1, 1884 ..		
18	Cash on deposit at Savings Bank		
	Sinking Fund Commissioners:—		
14	To credit of General Sinking Fund.		
15	To credit of Viaduct Sinking Fund		
	<i>Totals</i>	6,880,300 00	361,456 92

TABLE No. 4—Continued.

Balance Credit Jan. 1, 1883.	Disburse- ments for the Year 1883.	Receipts for the Year 1883.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1884.	Cash on hand Jan. 1, 1884.	
765,507 98	2,876,508 30	3,121,473 86	9,231 26	162,581 14	835,213 08	
567 45	507 45					1
708 09					708 09	2
	5,092 03	6,447 34			533 36	3
3,694 50	29,258 09	25,566 50			2 91	4
142 92	101 55				41 37	5
		13,000 00				6
		2,101 83		7,691 54		7
	3,011 91	3,201 44			189 53	8
		1,833 54			1,833 54	9
	7,574 74	6,785 80		788 94		10
				171,061 62		11
				179,752 86		12
				8,306 19		13
				792 63		14
				478,108 58		15
770,620 94	2,922,114 07	3,179,910 31	9,231 26	838,021 88	838,021 88	

RECAPITULATION No. 1. TABLE No. 4.—Continued.

Total credit balances, January 1, 1883.....	\$ 770,620 94	
Total receipts for the year 1883.....	3,179,910 81	\$3,950,531 25
Total debit balances, January 1, 1883.....	861,456 92	
Total disbursements for the year 1883.....	2,923,114 07	3,283,570 99
Balance credit, January 1, 1884.....		668,960 26
Account with Sinking Fund Comm'rs, Jan. 1, 1884:—		
To credit of General Sinking Fund.....	792 63	
To credit of Viaduct and Canal Sinking Fund...	478,108 58	
Amount in hands of City Treas'r—Thomas Axworthy, January 1, 1884.....	188,059 05	
Balance credit, January 1, 1884.....		668,960 26

RECAPITULATION No. 2. TABLE No. 4.—Continued.
SHOWING THE AMOUNT OF THE GENERAL AND SPECIAL INDEBTED-
NESS OF THE CITY OF CLEVELAND, JANUARY 1, 1884.

Amount of General Bonded Debt.....		\$5,982,000 00
Amount of Special Bonded Debt:—		
Street improvements.....	\$267,800 00	
Street damages.....	202,800 00	
Sewers	869,700 00	889,800 00
Total bonded indebtedness.....		6,821,800 00
Temporary Loads:—		
For Wade Park improvement.....	20,000 00	
For Bridge Fund.....	27,500 00	
For repaving streets.....	9,500 00	
For Euclid avenue sewer, from Russell avenue to Giddings Brook.....	1,500 00	58,500 00
Overdrafts in special improvement accounts.....		171,061 62
Total indebtedness		7,051,861 62

**TABLE NO. 5.—STATEMENT SHOWING THE AMOUNT, MATURITY AND PROCEEDS OF THE SALE
OF ALL BONDS ISSUED BY THE CITY OF CLEVELAND DURING THE YEAR 1883.**

**TABLE NO. 7.—AMOUNT AND MATURITY OF STREET IMPROVEMENT BONDS OUTSTANDING
DECEMBER 31 1883.**

TABLE No. 8.
AMOUNT AND MATURITY OF STREET DAMAGE BONDS OUTSTANDING DECEMBER 31, 1883.

	Rate per Cent.	1884..	1885.	1886.	1887.	1888.	1889.	Total.
Central Place opening	7	\$ 13,000	\$ 13,500	.....	.....	.....	.....	\$ 26,500
Central Place opening.....	6	.....	.....	\$ 17,000	.....	.....	.....	17,000
Columbus Pearl and Walworth Run bridge imp's.	7	17,000	16,400	.....	.....	.....	.....	88,400
Payne avenue opening	7	89,600	.....	.....	.....	.....	.....	89,600
Superior street: widening, Wilson to city limits	4	.....	.....	6,000	.....	.....	.....	6,000
Summit street opening	7	3,000	3,000	2,300	\$ 2,000	\$ 2,000	.....	12,300
Summit street opening.....	5	.....	.....	.....	.....	.....	\$ 3,000	3,000
Summit street opening	4	.....	.....	5,000	.....	.....	.....	5,000
Seneca street opening	6	6,000	.....	.....	.....	.....	.....	6,000
Willson avenue opening, north of St. Clair	5	4,000	.....	.....	.....	.....	.....	4,000
Totals		182,600	32,900	30,300	2,000	2,000	8,000	202,800

Amount of damage bonds outstanding December 31, 1882. \$ 852,200
" " " " 31, 1883 202,800
Decrease during the year 1883 149,400

TABLE NO. 9.—AMOUNT AND MATURITY OF SEWER BONDS OUTSTANDING DECEMBER 31, 1883.

33, AND MATURING AS FOLLOWS:

25.	1896.	1897.	1898.	1902.	1903.	1907.	Total.
,000		\$100,000		\$100,000	\$100,000		\$1,100,000
	\$276,000						1,880,000
							24,000
							315,000
,000	26,000		11,000				275,000
,000	500,000	225,000	570,000			\$125,000	2,133,000
							100,000
							150,000
,000	802,000	325,000	581,000	100,000	100,000	125,000	5,982,000
							287,800
							202,800
							369,700
,000	802,000	325,000	581,000	100,000	100,000	125,000	6,821,800
\$1,800							
3,100							
8,700							

**TABLE NO. 5.—STATEMENT SHOWING THE AMOUNT, MATURITY AND PROCEEDS OF THE SALE
OF ALL BONDS ISSUED BY THE CITY OF CLEVELAND DURING THE YEAR 1883.**

TABLE No. 8.
AMOUNT AND MATURITY OF STREET DAMAGE BONDS OUTSTANDING DECEMBER 31, 1883.

	Rate per Cent.	1884..	1885.	1886.	1887.	1888.	1889.	Total.
Central Place opening	7	\$ 13,000	\$ 13,500	.....	.....	.....	.....	\$ 26,500
Central Place opening.....	6	.....	.....	\$ 17,000	.....	.....	.....	17,000
Columbus Pearl and Walworth Run bridge imp's.	7	17,000	16,400	.....	.....	.....	.....	88,400
Payne avenue opening... ..	7	89,600	.....	.....	.....	.....	.....	89,600
Superior street widening, Wilson to city limits ..	4	.....	.....	6,000	.....	.....	.....	6,000
Summit street opening.....	7	3,000	3,000	2,300	\$ 2,000	\$ 2,000	.....	12,300
Summit street opening.....	5	.....	.....	.....	.....	.....	\$ 3,000	3,000
Summit street opening.....	4	.....	.....	5,000	.....	.....	.....	5,000
Seneca street opening	6	6,000	.....	.....	.....	.....	.....	6,000
Willson avenue opening, north of St. Clair.....	5	4,000	.....	.....	.....	.....	.....	4,000
Totals		132,600	32,900	80,300	2,000	2,000	3,000	202,800

Amount of damage bonds outstanding December 31, 1882..... \$ 352,200

“ “ “ “ 31, 1883 202,800

Decrease during the year 1883 149,400

TABLE NO. 9.—AMOUNT AND MATURITY OF SEWER BONDS OUTSTANDING DECEMBER 31, 1883.

TABLE No. 15.

THE MUNICIPAL LEVY IN THE TAX OF 1883 UPON A DUPLICATE VALUATION OF \$84,490,060 00, TO MEET THE EXPENSES OF 1884.

FUNDS.	Mills per Dollars.	Amount Levied.
Bridge—rebuilding Upper Central Way bridge.....	$\frac{7}{100}$	\$29,571 52
Dredging	$\frac{4}{100}$	16,898 01
Fire Department.....	2	168,980 12
Additional Fire Company.....	$\frac{4}{100}$	21,122 52
General.....	$1\frac{4}{100}$	101,388 07
Infirmary and Out Door Relief.....	$\frac{7}{100}$	29,571 52
Lighting	$1\frac{5}{100}$	105,612 58
Park	$\frac{4}{100}$	16,898 01
Improvement of Wade Park....	$\frac{2}{100}$	25,347 02
Police Department.....	$1\frac{17}{100}$	156,806 61
Sanitary	$\frac{4}{100}$	16,898 01
Sinking Fund—General.....	$1\frac{7}{100}$	114,061 58
Sinking Fund—Viaduct and Canal.....	$\frac{5}{100}$	21,122 52
Street.....	$\frac{12}{100}$	80,265 56
Street Intersections	$\frac{3}{100}$	12,673 51
Interest on General Bonds	$4\frac{18}{100}$	414,001 29
Total City levy.....	$15\frac{15}{100}$	1,830,718 45

COMPARISON WITH THE LEVY OF 1882.

CITY LEVY OF 1883:—

Being $15\frac{15}{100}$ mills per dollar on a valuation of \$84,490,060.00..... \$1,330,718 45

CITY LEVY OF 1882:—

Being $14\frac{2}{100}$ mills per dollar on a valuation of \$82,684,212.00..... 1,169,981 51

Levy of 1883 greater than that of 1882 by..... 160,736 94

TABLE No. 16.
AMOUNTS LEVIED IN THE TAX OF 1883 UPON THE SEWER
DISTRICTS TO PAY EXPENSES OF 1884.

DISTRICT 1—MAIN SEWER IN CASE AVENUE:—		
Bonds maturing in 1884.....	\$5,000 00	
Interest on \$11,300, 7 per cent., one year....	791 00	
Amount overdrawn January 1, 1883	1,078 56	
Estimate for needed repairs in 1884.....	500 00	
Cost of collection, 1 2-10 per cent.....	89 50	
Levy for expenses of 1884—rate 1 2-10 mills.		7,457 06
DISTRICT 2—MAIN SEWER IN PERRY STREET:—		
Bonds maturing in 1884.....	\$8,600 00	
Interest on \$15,600, 7 per cent., one year....	1,092 00	
Estimate for needed repairs in 1884.....	800 00	
Total expense of 1884.....	9,992 00	
Less cash on hand January 1, 1883.....	1,364 48	
	8,627 52	
Cost of collection, 1 2-10 per cent.....	104 77	
Levy for expenses of 1884—rate 8-10 mills.....		8,732 29
DISTRICT 3—MAIN SEWERS IN SENECA, ONTARIO, ERIE AND MUIRSON STREETS:—		
Bonds maturing in 1884	\$2,000 00	
Interest on \$2,000, 7 per cent., one year.....	140 00	
Estimate for needed repairs in 1884.....	500 00	
Cost of collection, 1 2-10 per cent.....	82 06	
Levy for expenses of 1884—rate 15-100 mills.....		2,672 06
DISTRICT 4—MAIN SEWERS IN BRIDGE AND DETROIT STS:—		
No levy.		

TABLE No. 16—Continued.

DISTRICT 5—MAIN SEWERS IN OAKLAND AND SWISS STS:—		
Bonds maturing in 1884	\$3,000 00	
Interest on \$19,400, 7 per cent., one year	1,358 00	
Repairs in 1883	24 95	
Estimate for repairs in 1884	200 00	
Total expenses of 1884	4,582 95	
Less cash on hand January 1, 1883	1,388 81	
	3,244 14	
Cost of collection, 1 2-10 per cent	89 40	
Levy for expenses of 1884—rate 9-10 mills		3,283 54
DISTRICT 6—MAIN SEWER IN BROADWAY:—		
No levy.		
DISTRICT 7—MAIN SEWER IN WILLSON AVENUE:—		
Bonds maturing in 1884	\$16,000 00	
Interest on \$168,300, 7 per cent., one year	11,781 00	
Amount overdrawn January 1, 1883	840 87	
Cost of collection, 1 2-10 per cent	847 58	
Total expenses of 1884	28,969 45	
Amount levied under limit of 3 mills		16,891 15
DISTRICT 8—MAIN SEWER IN MULBERRY STREET:—		
No levy.		
DISTRICT 9—MAIN SEWERS IN MAIN AND FRONT STS:—		
Amount overdrawn January 1, 1883	410 28	
Repairs to Long street sewer in 1883	389 56	
Estimate for needed repairs in 1884	200 00	
Cost of collection, 1 2-10 per cent	12 14	
Levy for expenses of 1884—rate 15-100 mills		1,011 98

TABLE No. 16—Concluded.

DISTRICT 10—MAIN SEWERS IN CUYAHOGA AND UNIVERSITY STREETS:— No levy.		
DISTRICT 11—MAIN SEWER IN JENNINGS AVENUE:— No levy.		
DISTRICT 12—MAIN SEWER IN PEARL STREET: Bonds maturing in 1884..... Interest on \$8,600, 7 per cent., one year..... Estimate for needed repairs in 1884 Cost of collection, 12-10 per cent..... Total expenses of 1884..... Amount levied under limit of 3 mills.....	\$8,000 00 602 00 50 00 105 07 8,757 07	 2,984 71
DISTRICT 13—JUNCTION STREET DISTRICT:— No levy.		
DISTRICT 14—COMMERCIAL STREET DISTRICT:— No levy.		
DISTRICT 15—MAIN SEWER IN EAST MADISON AVENUE:— No levy.		
DISTRICT 16—WALWORTH RUN DISTRICT:— No levy.		
DISTRICT 17—BROADWAY, SOUTH OF KINGSBURY RUN:— No levy.		

TABLE No. 17.

A LIST OF SPECIAL ASSESSMENTS LEVIED IN THE TAX OF 1888 IN ANTICIPATION OF THE IMPROVEMENT. LIST No. 1.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments.	Installment of 1888.	Amount Levied.
		From	To			
Anst street	Grading	Pearl street	Hanover street	1	1st	\$83 49
Arlington street	Grading	Cedar avenue	Garden street	1	1st	1,093 91
Abram street	Grading	Mentor avenue	Rowley street	1	1st	212 88
Abbey street	Sidewalks .....	.....	.....	1	1st	41 60
Auburn street	Sidewalks	Pearl street	Scranton avenue	1	1st	848 47
Berg street	Sewer	Commercial street	Cross street	1	1st	1,814 52
Bright street	Grading and curbing	St. Clair street	Lake street	1	1st	504 91
Burwell street	Grading	Case avenue	E. line of 10 acre lot 15	1	1st	606 87
Beecher street	Sewer	Dunham avenue	E. Madison avenue	1	1st	6,767 25
Blanche street	Grading	Randolph street	Weckerling street	1	1st	681 08
Branch avenue	Sidewalks	Jennings avenue	Scranton avenue	1	1st	132 00
Broadway	Sidewalks .....	.....	.....	1	1st	403 14
Barber avenue	Sidewalks	Scranton avenue	Hitchcock street	1	1st	798 81

TABLE No. 17. List No. 1—Continued.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments.	Installment of 1888.	Amount Levied.
		From	To			
Bridge street.....	Sidewalk.....	.....	.....	1	1st	25 60
Brooklyn street.....	Sidewalk.....	Clark avenue.....	Meyer avenue.....	1	1st	91 20
Brock street.....	Sidewalk.....	Lorain street.....	Bradford street.....	1	1st	100 00
Cuyahoga River.....	Dredging.....	Government piers.....	W. line of orig. lot No. 281.....	1	1st	18,860 76
Chestnut street.....	Sewer.....	W. line of original lot No. 74.....	220 ft. w. of Dodge street.....	1	1st	1,704 08
Colgate street.....	Grading.....	Gordon avenue.....	City line.....	1	1st	645 42
Coleman alley.....	Grading.....	Sheriff street.....	Middle street.....	1	1st	63 78
Charles street.....	Curbing.....	Scovill avenue.....	Woodland avenue.....	1	1st	594 12
Columbus street.....	Sidewalk.....	Willey street.....	Pearl street.....	1	1st	74 88
Dare street.....	Sewer.....	Franklin avenue.....	Bridge street.....	1	1st	2,038 68
Duane street.....	Grading and curbing.....	Franklin avenue.....	Detroit street.....	1	1st	1,763 57
Detroit street.....	Sidewalks.....	.....	.....	1	1st	1,245 81
Delaware street.....	Sidewalks.....	Superior street.....	St. Clair street.....	1	1st	405 30
Dodge street.....	Sidewalks.....	.....	.....	1	1st	60 00
Euclid avenue.....	Sewer.....	bet. p't 50 ft. w. of Russell av.....	Giddings Brook.....	1	1st	1,654 84

TABLE No. 17. List No. 1—Continued.

Name of street.	Nature of Improvement	Limits of Improvements.		Number of Installments.		
		From	To			
Euclid avenue	Sewer	Giddings Brook	Fairmount street	1	1st	25,964 31
East Madison avenue.	Sewer	Lena avenue	Euclid avenue	1	1st	10,490 45
Eric street.	Sidewalk	St. Clair street	Rockwell street	1	1st	39 00
Fairfield street	Sewer.	Jennings avenue.	Pelton avenue	2	2d	550 40
Franklin avenue	Sewer	Birch street	Dare street	1	1st	929 15
Franklin avenue	Sewer	Dare street	Waverly avenue	1	1st	8,573 09
Fulton Court	Grading	Fulton street	Franklin Court	1	1st	62 80
Forest street	Sewer	Cedar avenue	Garden street	1	1st	977 15
Franklin avenue	Sidewalk			1	1st	27 23
Fairfield street	Sidewalk	S. Side street, bet. angle	Scranton avenue.	1	1st	619 49
Guy street	Grading	Weckerling street	Petrie street	1	1st	206 90
Greenwood street.	Sewer.	Scovill avenue	Woodland avenue	1	1st	2,240 38
Goethe street.	Grading	Hamm street.	Blanche street.	1	1st	291 37
Giddings avenue	Sewer	Beecher street	Lena avenue	1	1st	334 00
Grant street	Sidewalks			1	1st	50 01

TABLE No. 17. List No. 1—Continued.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Assessment of 1891.	Amount Levied
		From	To		
Hamilton street.	Sewer	Canfield street	Muirson street.	1 1st	680 08
Hamilton street.	Sewer	Dodge street	Ross street	1 1st	2,340 44
Hamilton street.	Sewer	Dodge street	Canfield street	1 1st	2,050 08
Hamilton street.	Sewer	Alabama street	Ross street	1 1st	6,027 00
Harvard street .	Grading and curbing	Broadway	Woodland Hills avenue.	1 1st	2,235 04
Henry street	Curbing	Scovill avenue	Woodland avenue	1 1st	568 88
Hamm street	Grading	Broadway	Petrie street	1 1st	422 88
Hanover street	Grading and curbing .	Detroit street	Franklin Circle	1 1st	1,722 02
Iona street .	Sidewalks	Clark avenue	City limits.	1 1st	816 00
Isabella street.	Sidewalks	Clark avenue.	City limits	1 1st	816 00
Jennings avenue	Sewer	Willey street	Clark avenue	8 3d	2,919 53
Jerome alley	Sewer!	Fourth street	Cross street	1 1st	783 00
Kentucky street	Grading and curbing	Franklin avenue.	Bridge street.	1 1st	1,268 91
Kentucky street	Grading and paving .	Detroit street	Franklin avenue	1 1st	5,127 15
Lawn street . .	Grading	Gordon avenue	City limits.	1 1st	468 62

City Documents.

TABLE No. 17. List No. 1—Continued.

CITY AUDITOR'S REPORT.					
Name of Street.	Nature of improvement.	Limits of Improvement.		Number of Installments.	Amount Levied.
		From	To		
Linden street.	Sewer.	Scovill avenue	Garden street.	1	2,323 48
Linden street	Sewer.	Scovill avenue.	Woodland avenue.	1	2,348 82
Liberty street.	Curbing	Detroit street	Bridge street.	1	1,177 88
Lake street	Sidewalks			1	38 94
Minnesota street	Sewer.	St. Clair street.	Superior street.	1	800 53
McLean street	Sidewalks.			1	213 82
North Woodland avenue.	Grading	Woodland avenue.	Congress street	2	543 08
Noble street.	Grading and paving.	Seneca street.	Ontario street.	1	2,495 04
Old River Bed	Dredging.	Weddell street.	Cuyahoga river.	1	3,153 03
Orange street.	Sewer	Perry street	Mayflower street.	1	7,056 28
Ontario street.	Grading	Monumental Park.	St. Clair street.	1	1,313 24
Osborn street	Grading and graveling	Garden street.	Scovill avenue.	1	648 87
Pelton avenue	Sidewalks	Starkweather avenue.	Fairfield street.	1	201 40
Pearl street	Sidewalks.	Old street r. r. barn	City limits.	1	640 71
Park Place	Sidewalks	Public Square.	St. Clair street.	1	114 24

TABLE No. 17. List No. 1—Continued.

		Improvement							
Randolph street.	Grading.	Dolet street .	Blanch						
Superior street	Sewer.	Willson avenue . . .	Cass						
South alley.	Grading.	Muirson street . . .	Cass						
Smith avenue	Grading.	Broadway.	the n.						
Sibley street.	Sewer	Sago street	Sterlin						
Scranton avenue	Sidewalks.	Seneca street bridge . . .	Willey						
Seymour avenue	Sidewalks	{ Pearl street	Rhodes avenue.						1,326 13
Sterling avenue.	Sidewalks	{ Pearl street	Scranton avenue.						108 75
St. Clair street	Sidewalks	St. Clair street.	Superior street						13 51
Train street.	Sidewalks	Perry street.	Olive street						600 76
Wilson avenue.	Grading and paving	Junco street.	Clark avenue						61,900 76
Water street	Paving	Euclid avenue	Woodland avenue						5,103 74
Willey street.	Sewer	St. Clair street	Superior street.						1,324 04
Water street	Sewer	Walworth Run.	Jennings avenue.						4,873 35
		Superior street.	a pt 150 ft n. of Lake street.						

TABLE No. 17. List No. 1—Continued.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments	Installment of 1883.	Amount Levied.
		From	To			
Wall street.....	Grading and curbing.....	Detroit street.....	Church street.....	1	1st	608 58
Weckerling street.....	Grading.....	Hamm street.....	a pt 60 ft S. of Blanche st....	1	1st	222 79
Willey street	Sidewalks.....	Scranton avenue.....	Fremont street.....	1	1st	640 46
Waverly street	Sidewalks.....	S. of Lorain street.....	.....	1	1st	374 26
Total.....	.....	.....	.....	.....	.....	\$227,964 77

TABLE No. 17—Continued.

A LIST OF SPECIAL ASSESSMENTS LEVIED IN THE TAX OF 1883, TO MEET OUTSTANDING BONDS AND INTEREST. LIST No. 2.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments.	Installment of 1883.	Amount Levied.
		From	To			
Allen street	Opening	Burnham street	Parkman.	5	4th	1,376 52
Becker avenue	Widening	St. Clair street.	E. Madison avenue.	5	4th	454 04
Beckwith street.	Grading	Kinsman street	Morton avenue.	3	3d	353 70
Beckwith street	Culvert	Kinsman street	Morton avenue.	1	1st	671 24
Bond street	Opening	Superior street	E cild avenue.	5	4th	15,747 73
Custead avenue.	Opening	Superior street	Hough avenue	5	4th	73 94
Euclid avenue	McAdam	Fairmount street	City limits.	10	10th	4,833 17
Franklin avenue.	Paving	Harbor street	Waverly avenue			183 29
Grand avenue.	Opening			5	4th	433 16
Hough avenue	Opening	Willson avenue	Ansel avenue	1	1st	1,852 25
Herald street	Grading and curbing	Kinsman street.	Woodland avenue	2	1st, 2d	19,650 27
Herald street	Damages	Kinsman street	Woodland avenue	1	1st	77 21
Marquette street	Opening	Willson avenue	Lake Erie	5	4th	551 80

TABLE No. 17. List No. 2—Continued.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments	Installment of 1897	Amount Levied.
		From	To			
Orange street.	Opening	E. 1 ne of 10 acre lot 15.	Forest street	5	4th	803 84
Payne avenue.	Opening	Superior street	Willson avenue	5	4th	27,864 90
Russell avenue	Opening and widening	Superior street.	Beecher street	5	4th	736 04
Sheriff street	Opening	Prospect street.	Huron street	5	4th	9,347 31
Summit street	Opening	Seneca street.	Erie street.	10	9th	2,080 42
St. Clair street	Widening	Willson avenue.	the City line.	5	4th	1,583 95
Seneca street.	Opening . . . . .	. . . . .	. . . . .	5	4th	3,881 23
Seneca street.	Grading	St. Clair street	Union Depot	5	4th	930 72
Willson avenue	Widening and extending	St. Clair street.	Lake Erie.	5	4th	2,641 22
Willson avenue.	Grading and draining.	Julia street	Maurice street.	5	4th	1,543 56
Willson avenue	Grading and draining	Maurice street	Sawtell avenue	5	4th	1,221 84
Willson avenue	Opening	Sawtell avenue.	Broadway	5	4th	1,891 70
Wade Park avenue	Opening . . . . .	. . . . .	. . . . .	5	4th	3,310 44
Total . . . . .	. . . . .	. . . . .	. . . . .			\$105,891 57

TABLE No. 17—Continued.

A LIST OF SPECIAL ASSESSMENTS (ADDITIONAL) LEVIED IN TAX OF 1883 TO PAY EXCESS OF COST
OVER THE ESTIMATE. LIST No. 3.

Name of Street.	Nature of Improvement.	Limits of Improvement.		Number of Installments.	Installments of 1888.	Amount. Levied.
		From	To			
Loraln street.....	Paving	Pearl street	Waverly avenue.....	..	..	3,131 72
Superior street.....	Paving	Monumental Park	Erie street.....	..	..	4,827 13
Superior street.....	Paving	Erie street	Perry street.....	..	..	3,036 89
Willson avenue	Paving	Euclid avenue.....	Woodland avenue.....	..	..	18,517 36
Total.....	.....	.....	.....	..	..	\$29,013 10

TABLE No. 18.
RESULTS IN 1883.

Net increase of ordinary expenses from the General Funds, except Interest and General Sinking Fund accounts over those of 1882—	
Table 3.....	\$64,018 81
Interest on general debt paid in 1883—Table 2	891,583 75
Principal of general debt paid in 1883.....	157,561 48
Increase of taxable valuation for 1883 over that of 1882	1,805,848 00
Net increase in total value of all sinking funds in 1883	2,201 41
Total par value of all sinking funds and cash in hands of the City Treasurer December 31, 1883.....	1,741,663 95
Net reduction of city debt of all kinds in 1883	68,851 94
Sums paid in 1883 for permanent improvements—see Tables 1 and 2:	
From Bridge Fund.....	36,778 89
“ Fire Department Fund.....	2,957 89
“ General Fund.....	2,385 00
“ House of Correction Fund.....	2,092 78
“ Infirmary Fund.....	3,061 15
“ Lighting Fund.....	5,084 04
“ Water Works Fund.....	410,912 06
For Wade Park improvement	20,784 87
“ Repaving streets	227,450 78
Total.....	711,407 41

Respectfully submitted,

HENRY FORD,

City Auditor.

ANNUAL REPORT

OF THE

CITY TREASURER

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1883.

CITY TREASURER'S REPORT.

To the Honorable City Council of the City of Cleveland, O.:

GENTLEMEN:

Herewith I beg to submit a detailed statement of the receipts and disbursements of the several funds of the city, from April 19th to December 31st, 1883, inclusive.

DR.

ATLANTIC STREET—			
Overdrawn April 19, 1883		\$1,766 56	
Overdrawn			\$1 766 56
ALLEN STREET OPENING—			
Overdrawn April 19, 1883		2 605 28	
Receipts from County Treasurer		662 25	
Overdrawn			1,943 03
BROADWAY REPAVING—From Ohio to Liberal street.			
Balance to credit, April 19, 1883		2,446 47	
Disbursements	\$9,423 66		
Receipts from County Treasurer	6,567 54	2,856 12	
Overdrawn			409 65
BROADWAY FUND—			
Overdrawn April 19, 1883		2,791 92	
Disbursements	2,575 50		
Receipts	301 25	2,274 25	
Overdrawn			5,066 17
BOND STREET DAMAGES—			
Balance to credit, April 19, 1883		3,099 68	
Disbursements	37,450 00		
Receipts from County Treasurer	7,919 42	29,530 58	
Overdrawn			26,480 90

BECKWITH STREET—			
Overdrawn April 19, 1883.....		\$1,020 82	
Overdrawn			\$1,020 82
BECKER AVENUE DAMAGES—			
Overdrawn April 19, 1883.....		454 51	
Receipts from County Treasurer.....		215 09	
Overdrawn			289 42
CLINTON STREET GRADING—			
Overdrawn April 19, 1883.....		7 01	
Disbursements.....		20 08	
Overdrawn			27 09
CEDAR AVENUE MCADAMIZING—			
Overdrawn April 19, 1883.....		221 89	
Disbursements.....	\$8,500 00		
Receipts from County Treasurer.....	2 90	8,497 10	
Overdrawn			3,718 99
CHESTNUT RIDGE MCADAMIZING—			
Overdrawn April 19, 1883.....		8,001 87	
Disbursements		7,510 00	
Overdrawn			10,511 87
DETROIT STREET REPAVING—From Pearl to Kentucky street, and from Waverly avenue to city limits.			
Balance to credit, April 19, 1883.....		124 08	
Disbursements	3,889 62		
Receipts.....	2,749 67	1,089 95	
Overdrawn			965 87
EUCLID AVENUE PAVING—From Willson ave. to Fairmount street.			
Overdrawn April 19, 1883.....		621 55	
Disbursements.....	10,580 00		
Receipts.....	8 08	10,576 97	
Overdrawn			11,198 52
EUCLID AVENUE PAVING—West of Erie street.			
Overdrawn April 19, 1883		157 45	
Disbursements.....		6,870 00	
Overdrawn.....			6,527 45

EUCLID AVENUE SEWER—From Russell to Giddings Avenue.			
Disbursements.....		\$1,511 02	
Receipts from County Treasurer.....		1,500 00	
Overdrawn.....			\$11 02
FAIRMOUNT STREET MCADAMIZING—			
Overdrawn, April 19th, 1888.....		1,811 62	
Disbursements.....		1,456 00	
Overdrawn.....			3,267 62
FRANKLIN CIRCLE—			
Balance to credit April 19th, 1888.....		168 92	
Disbursements.....	\$961 18		
Receipts from County Treasurer.....	835 88	645 30	
Overdrawn.....			476 88
GRAND AVENUE—			
Overdrawn April 19th, 1888.....		528 10	
Disbursements.....		140 00	
Overdrawn.....			668 10
HERALD STREET—			
Overdrawn April 19th, 1888.....		264 27	
Disbursements.....		4,880 00	
Overdrawn.....			5,144 27
HOUGH AVENUE—			
Overdrawn April 19th, 1888.....		1,473 44	
Overdrawn.....			1,473 44
KINSMAN STREET—			
Overdrawn April 19th, 1888.....		505 82	
Disbursements.....	21,860 00		
Receipts.....	224 44	21,635 56	
Overdrawn.....			22,141 38
MARQUETTE STREET—			
Balance to credit April 19th, 1888.....		36 84	
Disbursements.....	2,100 00		
Receipts.....	728 85	1,371 15	
Overdrawn.....			1,884 81

ORANGE STREET DAMAGES—			
Overdrawn April 19th, 1883.....		\$ 4,068 49	
Receipts.....		1,870 98	
Overdrawn			\$ 2,197 56
POPLAR STREET GRADING AND DRAINING—			
Balance to credit April 19th, 1883.....		351 82	
Disbursements.....	\$ 467 64		
Receipts.....	18 79	448 85	
Overdrawn.....			97 53
PEARL STREET REPAVING—From Willey to Monroe Street.			
Balance to credit April 19th, 1883.....		523 41	
Disbursements.....	1,260 01		
Receipts from County Treasurer.....	698 06	561 95	
Overdrawn.....			38 54
PAYNE AVENUE DAMAGES—			
Balance to credit April 19th, 1883.....		34,583 97	
Disbursements.....	104,763 90		
Receipts from County Treasurer.....	14,855 48	90,408 42	
Overdrawn			5,874 45
PEARL STREET—			
Overdrawn April 19th, 1883.....		484 96	
Overdrawn.....			484 96
PEARL STREET REPAVING—From Detroit to Willey Street.....			
Balance to credit April 19th, 1883.....		1,152 97	
Disbursements.....	2,661 87		
Receipts.....	1,442 85	1,218 52	
Overdrawn.....			65 55
RUSSELL AVENUE DAMAGES—			
Overdrawn April 19th, 1883.....		1,722 85	
Receipts.....		608 89	
Overdrawn.....			1,113 46

SUPERIOR STREET REPAVING—From Water Street to Monumental Park.			
Overdrawn April 19th, 1888.....		\$1,559 45	
Receipts from County Treasurer.....	\$2,389 82		
Disbursements.....	1,440 86	898 96	
Overdrawn			\$660.49
SEWER DISTRICT NO. 1—			
Balance to credit April 19th, 1888.....		1,777 08	
Disbursements.....	5,587 45		
Receipts.....	3,139 51	2,447 94	
Overdrawn.....			670 86
SEWER DISTRICT NO. 3—			
Balance to credit April 19th, 1888.....		3,257 13	
Disbursements	9,388 83		
Receipts.....	5,240 39	4,097 94	
Overdrawn.....			840 81
SEWER DISTRICT NO. 4—			
Balance to credit April 19th, 1888—		3,097 12	
Disbursements.....	6,054 34		
Receipts.....	2,553 75	3,500 59	
Overdrawn.....			403 47
SEWER DISTRICT NO. 12—			
Balance to credit April 19th, 1883.....		3,585 99	
Disbursements.....	7,707 68		
Receipts.....	3,639 24	4,068 44	
Overdrawn.....			482 45
SENECA STREET REPAVING — From Superior to St. Clair Street.			
Balance to credit April 19th. 1883.....		129 72	
Disbursements.....	1,612 01		
Receipts.....	880 06	731 95	
Overdrawn.....			602 23
SUMMIT STREET DAMAGES—			
Balance to credit April 19th, 1883		658 93	
Disbursements	4,321 00		
Receipts.....	1,173 76	3,147 24	
Overdrawn.....			2,488 31

SENECA STREET DAMAGES—

Balance to credit April 19th, 1883		\$ 6,003 36	
Disbursements	\$ 10,007 04		
Receipts	1,820 63	8,186 41	
Overdrawn			\$ 2,183 05

SLATER STREET DAMAGES—

Balance to credit April 19th, 1883		2,071 00	
Disbursements		2,568 00	
Overdrawn			497 00

ST. CLAIR STREET DAMAGES—

Overdrawn April 19th, 1883		6,999 96	
Receipts		628 30	
Overdrawn			6,371 66

STATE STREET DRAINING AND CURBING—

Balance to credit April 19th, 1883		505 32	
Disbursements	3,010 04		
Receipts	1,468 87	1,541 17	
Overdrawn			1,085 85

SUPERIOR STREET DAMAGES—

Overdrawn April 19th, 1883		684 47	
Disbursements		120 00	
Overdrawn			804 47

**ST. CLAIR STREET SEWER—From Giddings to
Becker Avenue.**

Overdrawn April 19th, 1883		755 08	
Disbursements		5,432 00	
Overdrawn			6,187 08

WILLSON AVENUE DAMAGES—

Overdrawn April 19th, 1883		13,880 93	
Disbursements	4,440 00		
Receipts	1,364 08	3,075 92	
Overdrawn			16,954 85

WADE PARK AVENUE—

Overdrawn April 19th, 1883		6,930 47	
Overdrawn			6,930 47

WADE PARK AVENUE DAMAGES—			
Overdrawn April 19th, 1888.....		\$9,856 64	
Receipts.....		918 42	
Overdrawn.....			\$8,943 22
WATER STREET REPAVING—			
Disbursements.....		7,574 74	
Receipts... ..		6,785 80	
Overdrawn.....			788 94

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ARMORY FUND—			
Overdrawn April 19th, 1883		\$15 08	
Receipts from C. P. Salen, City Clerk.....		60 00	
Balance			\$44 92
ACADEMY STREET SEWER—From Lake to St. Clair Streets.			
Balance to credit April 19th, 1883		825 57	
Disbursements	\$404 80		
Receipts from County Treasurer	825 51	79 29	
Balance			246 26
ALLEN STREET GRADING—			
Balance to credit April 19th, 1883		80 23	
Balance			80 23
BRIDGE FUND—			
Balance to credit April 19th, 1883		21,249 40	
Receipts from County Treasurer	16,185 02		
“ “ Sinking Fund Commis'ners	27,500 00		
“ “ West Side St. R. R. Co.	564 00		
“ “ Brooklyn St. R. R. Co.	141 00		
	44,840 02		
Disbursements	65,140 81	20,800 79	
Balance			448 61
BANK STREET REPAVING—From Superior to Lake Street.			
Overdrawn April 19th, 1883		551 66	
Receipts	2,461 13		
Disbursements	455 40	2,005 78	
Balance			1,454 07
BRIDGE STREET SEWER—			
Balance to credit April 19th, 1883		906 81	
Disbursements	2,123 47		
Receipts from County Treasurer	1,879 52	743 95	
Balance			163 36

BROADWAY REPAVING—From Independence to a point 900 feet south.		
Balance to credit April 19th, 1888.....		\$573 20
Disbursements.....	\$644 89	
Receipts from County Treasurer....	185 65	458 74
Balance		\$184 45
BROADWAY REPAVING—From Independence to Mead Avenue.		
Balance to credit April 19th, 1888.....		11,028 15
Receipts from County Treasurer... ..	6,178 81	
Disbursements... ..	143 24	6,080 07
Balance.....		17,058 23
CHARLES STREET SEWER—From Scovill to Woodland Avenue.		
Balance to credit April 19th, 1888.....		7 17
Receipts from County Treasurer....	991 99	
Disbursements.....	985 87	6 13
Balance.....		13 29
CHapel STREET SEWER—From Scovill to Woodland Avenue.		
Balance to credit April 19th, 1888.....		20 87
Receipts from County Treasurer.....	867 18	
Disbursements.....	858 28	18 85
Balance.....		\$1 23
CASE AVENUE PAVING—From Euclid Avenue to Garden Street		
Balance to credit April 19th, 1888.....		705 91
Disbursements.....		485 70
Balance.....		220 21
CENTRAL PLACE OPENING—		
Balance to credit April 19th, 1888.....		31,558 05
Disbursements.....	16,785 00	
Receipts from County Treasurer....	4,865 18	12,419 83
Balance.....		19,188 23

CEDAR AVENUE—			
Balance to credit April 19th, 1888.		\$600 36	
Disbursements.....	\$374 23		
Receipts.....	5 88	808 85	
Balance.....			\$293 01
CHURCH STREET GRADING AND CURBING—From Pearl to State Street.			
Balance to credit April 19th, 1888.....		891 42	
Disbursements.....	1,962 85		
Receipts.....	1,283 23	609 63	
Balance.....			191 79
CUYAHOGA RIVER DREDGING FUND—			
Balance to credit April 19th, 1888.....		34,588 81	
Disbursements.....	54,222 75		
Receipts.....	25,097 82	29,125 43	
Balance.....			5,457 88
EUCLID AVENUE REPAVING—From Willson Avenue to Fairmount Street.			
Balance to credit April 19th, 1888.....		45,268 25	
Receipts from County Treasurer.....	30,753 74		
" " Sinking Fund Commis'ners	18,818 18		
	49,571 87		
Disbursements.....	58,089 95	3,468 08	
Balance.....			41,795 17
EUCLID AVENUE REPAVING—From Case to Willson Avenue.			
Balance to credit April 19th, 1888.....		7,496 24	
Receipts from County Treasurer.....	2,622 10		
" " Sinking Fund Commis'ners.	7,889 14		
	10,511 24		
Disbursements.....	16,105 88	5,594 14	
Balance.....			1,903 10
EUCLID AVENUE MACADAMIZING—			
Balance to credit April 19th, 1888.....		3,689 06	
Disbursements.....	5,787 00		
Receipts from County Treasurer.....	2,898 87	3,888 63	
Balance.....			800 43

EUCLID AVENUE REPAVING — From Case to Perry Street.			
Balance to credit April 19th, 1888.....		\$29,808 80	
Receipts from County Treasurer.....	\$15,436 83		
" " Sinking Fund Commis'ners.	33,818 60		
	48,755 43		
Disbursements	69,805 80	21,050 87	
Balance.....			\$3,258 43
ERIE STREET REPAVING — From Lake Street to Woodland Avenue.			
Overdrawn April 19th, 1888.....		1,118 77	
Receipts from County Treasurer.....	6,315 91		
Disbursements.....	4,843 95	1,971 96	
Balance.....			853 19
FIRE DEPARTMENT FUND—			
Balance to credit April 19th, 1888.....		44,504 64	
Receipts from County Treasurer.....	62,781 28		
" " A. J. Spencer, Secretary ..	1,512 24		
" " transfer from Market Fund	5,500 00		
" " other sources.....	16 00		
	69,759 52		
Disbursements.....	114,104 42	44,844 90	
Balance.....			159 74
FAIRFIELD STREET SEWER—From Jennings to Pelton Avenue.			
Balance to credit April 19th, 1888.....		232 99	
Receipts.....		240 65	
Balance.....			523 64
FIREMAN'S RELIEF FUND—			
Balance to credit April 19th, 1888.....		6,097 74	
Disbursements.....		832 00	
Balance.....			5,765 74
GRAND AVENUE DAMAGES—			
Balance to credit April 19th, 1888.....		228 77	
Receipts.....		95 74	
Balance.....			324 51

GENERAL FUND—			
Balance to credit April 19th, 1883.....		\$38,847 58	
Receipts from County Treasurer.....	\$48,429 85		
" " " " " (Scott tax).....	77,011 96		
" " C. P. Salen, City Clerk.	8,404 25		
" " City Hall Rents.....	5,446 67		
" " City Scales.....	1,519 67		
" " " Pounds.....	164 09		
" " " other sources.....	2,595 29		
	183,571 28		
Disbursements.....	163,245 87	29,574 59	
Balance.....			\$8,672 99
GARDEN STREET—			
Balance to credit April 19th, 1883.....		706 85	
Disbursements.....		807 65	
Balance.....			299 20
GREENWOOD STREET SEWER—From Cedar to Scovill Avenue.			
Balance to credit April 19th, 1883.....		1,208 87	
Disbursements ..	2,289 16		
Receipts.....	1,268 04	1,026 12	
Balance.....			177 75
HOUSE OF CORRECTION FUND—			
Balance to credit April 19th, 1883.....		80,690 89	
Receipts from County Treasurer.....	6,483 98		
" " W. D. Patterson, Supt.....	58,118 81		
	59,552 29		
Disbursements.....	79,477 09	19,924 80	
Balance.....			10,766 09
HARTFORD STREET GRADING AND DRAINING— From Clark to Storer Avenues.			
Balance to credit April 19th, 1883.....		275 98	
Disbursements.....	181 80		
Receipts from County Treasurer.....	108 92	27 88	
Balance.....			243 06

HOWE STREET GRADING AND PAVING—From			
Ontario street to a point 406 feet west.			
Balance to credit April 19th, 1883.....		\$915 43	
Disbursements.....	\$1,723 95		
Receipts from County Treasurer.....	1,085 62	633 33	
Balance.....			\$277 10
HENRY STREET SEWER—From Scovill to Wood-			
land Avenue.			
Balance to credit April 19th, 1883..		9 43	
Receipts from County Treasurer.....	1,098 89		
Disbursements.....	1,091 98	6 96	
Balance.....			16 39
INFIRMARY FUND—			
Balance to credit April 19th, 1883.....		14,995 05	
Receipts from County Treasurer.....	11,259 46		
" " L. S. O'Neill, Clerk.....	9,173 22		
" " L. F. Mellen, Supt.....	3,182 37		
" " C. P. Salen, City Clerk.....	5,667 33		
" " other sources.....	146 19		
	29,378 57		
Disbursements.....	85,321 55	5,943 93	
Balance....			2,952 07
INTEREST FUND—			
Balance to credit April 19th, 1883.....		129,393 75	
Receipts from County Treasurer.....	147,981 43		
" " Sinking Fund Commis'ners.	1,163 88		
" " other sources.....	4,427 62		
	153,572 93		
Disbursements.....	270,616 57	117,043 59	
Balance.....			12,855 16
JENNINGS AVENUE SEWER — From Willey			
Street to Clark Avenue.			
Balance to credit April 19th, 1883..		2,525 23	
Receipts from County Treasurer..	1,497 62		
Disbursements.....	190 45	1,307 17	
Balance.....			3,842 39

JENNINGS AVENUE—			
Balance to credit April 19th, 1883.....		\$ 106 60	
Disbursements.....		80 00	
Balance.....			\$ 26 60
LIGHTING FUND—			
Balance to credit April 19th, 1883.....		81,889 14	
Receipts from County Treasurer.....	\$38,608 87		
“ “ transfer from Market Fund.....	8,000,00		
“ “ other sources.....	21 00		
	46,624 87		
Disbursements.....	77,538 80	30,913 93	
Balance.....			475 21
LOBAIN STREET REPAVING—From Pearl Street to Waverly Avenue.			
Balance to credit April 19th, 1883.....		9,091 69	
Receipts from County Treasurer.....	6,421 06		
“ “ Sinking Fund Commis'ners.....	7,118 88		
“ “ other sources.....	6,114 23		
	19,653 67		
Disbursements.....	27,451 23	7,797 56	
Balance.....			1,294 13
LOBAIN STREET DAMAGES—			
Balance to credit April 19th, 1883.....		86 95	
Disbursements.....		27 92	
Balance.....			9 03
LAUREL STREET SEWER — From Woodland to Scovill Avenue.			
Balance to credit April 19th, 1883.....		125 92	
Receipts from County Treasurer.....	1,043 48		
Disbursements.....	918 83	124 65	
Balance.....			250 57
MARKET FUND—			
Balance to credit April 19th, 1883.....		1,153 82	
Receipts from Premiums and Rents.....	21,612 57		
Disbursements.....	22,140 94	528 37	
Balance.....			625 45

MAPLE STREET SEWER — From Garden Street to Scovill Avenue.			
Overdrawn April 19th, 1883.....		\$3 34	
Receipts from County Treasurer....	\$2,006 07		
Disbursements.....	1,968 87	42 20	
Balance.....			\$38 86
MONUMENTAL PARK PAVING—			
Balance to credit April 19th, 1883.....		1,493 59	
Disbursements.....	947 00		
Receipts from County Treasurer.....	230 51	716 49	
Balance.....			777 10
POLICE COURT FUND—			
Balance to credit April 19, 1883.....		7,652 98	
Receipts from W. Baxter, Police Clerk ...	10,516 57		
Receipts from W. D. Patterson, Superintendent of House of Correction.....	2,196 57		
Receipts from other sources.....	71 00		
	12,784 14		
Disbursements.....	8,448 56	4,885 58	
Balance.....			11,988 56
PARK FUND—			
Balance to credit April 19, 1883.....		7,012 54	
Receipts from County Treasurer.....	4,825 49		
Receipts from Sinking Fund Comm'rs.....	20,000 00		
Receipts from other sources.....	11 80		
	24,837 29		
Disbursements.....	28,868 14	4,025 85	
Balance.....			2,966 69
POLICE FUND—			
Balance to credit April 19, 1883		42,955 25	
Receipts from County Treasurer.....	59,514 30		
Proceeds of Scott tax.....	77,011 95		
Receipts from Thomas King, Secretary....	382 00		
Receipts from C. P. Salen, City Clerk.....	5,186 00		
	142,094 25		
Disbursements.....	110,468 77	31,630 48	
Balance.....			74 585 73

PROSPECT STREET PAVING—From Case to Will-			
son Avenue—			
Receipts.....		\$588 89	
Balance.....			\$588 89
POLICE PENSION FUND—			
Receipts from Thomas King, Secretary....		3,998 55	
Disbursements.....		3,340 03	
Balance.....			658 52
PROSPECT STREET REPAVING — From Perry			
Street to Sterling Avenue—			
Overdrawn April 19, 1883.....		798 36	
Receipts.....	\$918 43		
Disbursements.....	66 80	851 63	
Balance.....			53 27
PROSPECT STREET PAVING — From Erie to			
to Perry Street—			
Balance to credit April 19, 1883.....		1,812 20	
Disbursements.....		399 59	
Balance.....			912 61
PERRY STREET—			
Balance to credit April 19, 1883.....		817 54	
Balance.....			817 54
PROSPECT STREET REPAVING—From Sterling			
Case Avenue—			
Overdrawn April 19, 1883.....		2,280 20	
Receipts.....	3,696 16		
Disbursements.....	351 03	3,285 13	
Balance.....			1,004 93
REPAVING FUND—			
Balance to credit April 19, 1883.....		19,005 12	
Disbursements.....		18,991 00	
Balance.....			14 12

STREET INTERSECTION FUND—

Balance to credit April 19, 1888.....		\$5,291 05	
Receipts from County Treasurer.....	\$2,216 90		
Receipts from Sinking Fund Commis'srs..	9,485 70		
	12,702 60		
Disbursements... ..	14,715 51	2,012 83	
Balance.....			\$2,188 28

**SIBLEY STREET GRADING AND CURBING—From
Hayward to Kennard Street—**

Balance to credit April 19, 1888.....		390 20	
Disbursements.....		100 75	
Balance.....			190 53

**SUMMIT STREET GRADING — From Seneca to
Erie Street—**

Balance to credit April 19, 1888.....		61 03	
Disbursements.....		13 77	
			48 26

**SUPERIOR STREET REPAVING —From Erie to
Perry Street—**

Balance to credit April 19, 1888.....		4,272 85	
Receipts from County Treasurer.....	215 20		
Receipts from Sinking Fund Commis'srs..	7,988 55		
Receipts from other sources.....	2,238 98		
	10,442 73		
Disbursements.....	14,560 46	4,117 73	
Balance			155 62

SEWER DISTRICT No. 2—

Balance to credit April 19, 1888.		6,238 10	
Disbursements.....	9,900 16		
Receipts.....	5,159 82	4,740 84	
Balance.....			1,497 76

SEWER DISTRICT No. 5—

Balance to credit April 19, 1888		1,989 24	
Disbursements.....	2,054 28		
Receipts.....	1,195 61	854 62	
Balance.....			1,114 62

SEWER DISTRICT No. 6—			
Balance to credit April 19, 1883.....		\$768 05	
Balance.....			\$768 05
SEWER DISTRICT No. 7—			
Balance to credit April 19, 1883....		7,853 50	
Receipts from County Treasury.....	\$12,080 76		
Receipts from sale of bonds.....	24,857 24		
	86,438 00		
Disbursements.....	87,863 48	1,425 48	
Balance.....			6,428 07
SEWER DISTRICT No. 15—			
Receipts from sale of bonds.....	92,854 58		
Receipts from forfeited bond	500 00	92,854 58	
Disbursements.....		48,985 97	
Balance.....			43,918 56
SEWER DISTRICT No. 8—			
Balance to credit April 19, 1883.....		664 90	
Balance.....			664 90
SEWER DISTRICT No. 9—			
Overdrawn April 19, 1883.....		124 41	
Receipts from County Treasurer.....	621 06		
Receipts from sale of bonds ...	8,119 08		
	8,740 14		
Disbursements	7,961 60	778 54	
Balance			654 18
SEWER DISTRICT No. 10—			
Balance to credit April 19, 1883.....		218 82	
Balance.....			218 82
SEWER DISTRICT No. 11—			
Balance to credit April 19, 1883.....		151 00	
Disbursements.....		8 00	
Balance.....			143 00
SEWER DISTRICT No. 8, E. C.—			
Balance to credit April 19, 1883.....		205 22	
Balance.....			205 22

SPRUCE STREET SEWER—From Mulberry to Pearl Street—			
Balance to credit April 19, 1883.....		\$318 08	
Disbursements.....	\$371 43		
Receipts.....	207 48	163 94	
Balance.....			\$154 09
SUPERIOR STREET GRADING — From Perry Street to Willson Avenue—			
Balance to credit April 19, 1883.....		10,932 86	
Disbursements.....		129 40	
Balance.....			10,803 46
SUPERIOR STREET REPAVING —From Park to Erie Street—			
Balance to credit April 19, 1883.....		10,161 40	
Receipts from County Treasurer.....	2,521 19		
Receipts from Sinking Fund Commiss'rs..	11,658 27		
	14,179 46		
Disbursements.....	23,556 97	9,877 51	
Balance.....			783 89
SANITARY FUND—			
Balance to credit April 19, 1883.....		7,516 32	
Receipts from County Treasurer.....	8,042 47		
Receipts from W. H. Farrand, Secretary..	1,851 25		
	9,893 72		
Disbursements.....	16,373 64	6,479 92	
Balance.....			1,086 40
STREET FUND—			
Balance to credit April 19, 1883.....		82,879 28	
Disbursements.....	69,782 65		
Receipts.....	38,607 01	81,175 64	
Balance.....			1,203 64

VIADUCT SINKING FUND—			
Balance to credit April 19th, 1883.....		\$38 75	
Receipts from County Treasurer.....	\$8,042 47		
" " rents.....	485 83		
" " sale of property.....	1,988 75		
" " other sources.....	1,966 52		
	12,488 57		
Disbursements.....	10,596 20	1,892 87	
Balance.....			\$1,981 12
WOODLAND AVENUE REPAVING—From Perry Street to Willson Avenue.			
Balance to credit April 19th, 1883,		505 79	
Disbursements.....	10,011 89		
Receipts.....	9,508 51	502 88	
Balance.....			2 91
WILLEY STREET SEWER—From Walworth Run to Jennings Avenue.			
Balance to credit April 19th, 1883.....		671 78	
Receipts.....		661 76	
Balance.....			1,833 54
WALNUT STREET SEWER—From Muirson to Dodge Street.			
Balance to credit April 19th, 1883.....		1,659 00	
Disbursements.....	3,011 91		
Receipts.....	1,542 44	1,469 47	
Balance.....			189 53
WARNER STREET—			
Overdrawn April 19th, 1883.....		637 06	
Receipts.....		688 18	
Balance.....			51 12
WOODLAND AVENUE—			
Balance to credit April 19th, 1883.....		708 09	
Balance.....			708 09

WOODLAND AVENUE REPAVING—From Ohio to Perry Street—			
Overdrawn April 19th, 1883.....		\$911 02	
Receipts.....	\$1,745 75		
Disbursements.....	801 37	1,444 88	
Balance.....			\$ 533 86
WILLSON AVENUE—			
Balance to credit April 19th, 1883.....		11,427 40	
Receipts.....		1,864 17	
Balance.....			12,791 57
WILLSON AVENUE GRADING—From Broadway to N. Y. P. & O. R. R.			
Balance to credit April 19th, 1883.....		46 92	
Disbursements.....		5 55	
Balance			41 37
WATER WORKS FUND—			
Balance to credit April 19th, 1883.....		50,997 18	
Receipts from H. C. Hawkins, Secretary.	855,716 91		
“ “ other sources... ..	3,525 08		
	859,241 94		
Disbursements.....	891,490 51	32,248 57	
Balance.....			18,748 61
			857,238 74
January 1st, 1884—Balance cash on hand—			
			186,177 12
RECAPITULATION—			
Amount received from S. T. Everett, City Treasurer, April 19th, 1883.....		796,071 22	
Receipts.....	1,766,596 06		
Disbursements.....	2,878,490 16	611,894 10	
Balance.....			186,177 12

Respectfully submitted,

THOMAS AXWORTHY,

City Treasurer.

A N N U A L R E P O R T

O F T H E

Sinking Fund Commissioners,

O F T H E

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1883.

REPORT

OF THE

SINKING FUND COMMISSIONERS.

To the Honorable City Council of Cleveland:

The Sinking Fund Commissioners, in compliance with the law, submit their report for the year, 1883.

FIRST.

SINKING FUND OF 1862.

TWENTY-FIRST ANNUAL REPORT.

The gross income for the year is,	\$ 79,163 77
The expense for the year is,	650 00
	<hr/>
Leaving the net income,	\$ 78,513 77

CASH RECEIPTS.

1883.

Jan'ry 16—Quarterly dividend on \$200,000 stock N. Y. C.	
R'y, 2 per cent.	\$ 4,000 00
Feb'ry 1—Quarterly dividend on \$330,000 stock L. S. &	
M. S. R'y, 2 per cent.	6,600 00
March 9—Interest on Cleveland City notes, Nos. 1 to 16,	1,028 17
April 1—Semi-annual interest on \$40,000 Cleveland	
City 7 per cent. bonds,	1,400 00
“ 7—In payment principal Cleveland City notes Nos.	
1, 3, 5, 7, 9, 11, 13, 15, 17 and 18,	27,936 65
“ —Interest on same notes,	884 73
“ 15—Quarterly dividend on \$200,000 stock on N. Y.	
C. R'y, 2 per cent.	4,000 00

May	1—Quarterly dividend on \$330,000 stock on L. S. & M. S. R'y, 2 per cent.	6,600 00
June	1—Semi-annual interest on \$250,00 C. & N. W. R'y 7 per cent. bonds,	8,750 00
"	1—Semi-annual interest on \$100,000 C. & A. Bridge Co. 7 per cent. bonds,	3,500 00
"	1—Semi-annual interest on \$52,000 L. S. & M. S. R'y 7 per cent. bonds,	1,820 00
"	1—Payment C. & A. Bridge Co. bond matured.	1,000 00
"	15—Semi annual interest on \$50,000 Valley R'y 7 per cent. bonds,	1,750 00
"	22—Sale of \$50,000 Valley R'y bonds to Viaduct Sinking Fund,	50,000 00
July	1—Interest on deposits,	858 32
"	15—Quarterly dividend on \$200,000 stock N. Y. C. R'y 2 per cent.,	4,000 00
"	16—Interest on Cleveland City notes, Nos. 2, 4, 6, 8, 10, 12, 14 and 16,	514 07
Aug.	1—Quarterly dividend on \$330,000 stock L. S. & M. S. R'y, 2 per cent.	6,600 00
Sept.	4—In payment of Cleveland City notes, Nos. 2, 4, 6, 8, 10, 12, 14, 16, 19, 20 and 82,	32,186 65
	Interest on above notes,	546 34
Oct.	1—Semi-annual interest on \$40,000 Cleveland City 8 per cent. bonds,	1,400 00
"	15—Quarterly dividend on \$200,000 stock N. Y. C. R'y 2 per cent.	4,000 00
Nov.	1—Quarterly dividend on \$330,000 stock L. S. & M. S. R'y 2 per cent.	6,600 00
Dec.	1—Semi-annual interest on \$52,000 L. S. & M. S. R'y 7 per cent. bonds,	1,820 00
"	—Semi-annual interest on \$250,000 C. & N. W. R'y 7 per cent bonds	8,750 00
"	1—Semi-annual interest on \$99,000 C. & A. Bridge Co. 7 per cent. bonds,	3,465 00
"	3—Sale 1,000 shares stock N. Y. C. R'y at \$1.18 less $\frac{1}{2}$ per cent.,	117,875 00
1884.		
Jan'y	1—Interests on deposits,	1,461 27
	Cash on hand January, 1883, as per report,	46,728 82
	Total,	<u>\$356,025 02</u>

CASH EXPENDITURES.

1888.

Jan'y	3—For purchase Cleveland City note No. 20,	\$ 7,000 00
"	20—Payment into City Treasury upon certificate of City Auditor,	345 31
Feb'y	19—Payment into City Treasury upon certificate of City Auditor,	10,236 73
March	20—Payment into City Treasury upon certificate of City Auditor,	769 10
May	22—Payment into City Treasury upon certificate of City Auditor,	3,179 84
June	19—Payment into City Treasury upon certificate of City Auditor,	13,874 60
July	16—For purchase Cleveland City notes Nos. 21 and 22,	1,500 00
Aug.	18—For purchase Cleveland City note No. 23,	5,000 00
Sept.	5—For purchase Cleveland City notes Nos. 24, 25, 27, 28 and 29,	24,100 00
"	20—Payment into City Treasury upon certificate of City Auditor,	20,608 29
Oct.	1—For purchase Cleveland City notes Nos. 31 and 32,	5,000 00
"	1—Payment into City Treasury upon certificate of City Auditor,	504 61
"	10—For \$40,000 Cleveland City 6 per cent. Water Works bonds,	40,000 00
"	16—Payment into City Treasury upon certificate of City Auditor,	15,623 47
"	—Payment into City Treasury upon certificate of City Auditor,	3,319 63
Nov.	7—For purchase Cleveland City note No. 33,	5,000 00
"	—For \$10,000 Cleveland City 6 per cent. Water Works bonds,	10,000 00
"	13—Payment into City Treasury upon certificate of City Auditor,	20,438 49
"	20—Payment into City Treasury upon certificate of City Auditor,	6,166 07
"	21—Payment into City Treasury upon certificate of City Auditor,	1,380 10

Dec.	7—For \$50,000 Cleveland City 6 per cent. Water Works bonds,	50,000 00
"	12—Payment into City Treasury accrued interest on Water Works bonds,	1,163 88
"	17—Payment into City Treasury upon certificate of City Auditor,	8,977 08
	Express charges on coupons for the year,	20 25
	Expenses for the year,	650 00
	Cash on deposit January 2, 1884,	101,172 57
	Total,	<u>\$356,025 02</u>

The following items constitute the Sinking Fund of 1862 January 2, 1884:

3,300 shares stock L. S. & M. S. Railway, par value,	\$ 330,000 00
1,000 shares stock N. Y. C. & H. R. Railway,	100,000 00
Chicago & Northwestern Railway Co. 7 per cent. bonds,	250,000 00
Chicago & Atchison Bridge Co. 7 per cent. bonds,	99,000 00
Cleveland City Water Works 6 per cent. bonds,	100,000 00
L. S. & M. S. Railway 7 per cent. bonds,	52,000 00
Cleveland City notes,	40,600 00
Cash on deposit	101,172 57
Total,	<u>\$1,072,772 57</u>

The liabilities of the City of Cleveland that have been paid from the Sinking Fund of 1862 are:

Water Works bonds,	925,000 00
Other Cleveland City bonds and special debts,	466,486 51
City's proportion of cost of repairing streets,	322,700 96
Total,	<u>\$1,714,187 47</u>

Of which amount there has been paid during the year 1883 the sum of \$105,073.01.

SECOND.

VIADUCT SINKING FUND.

FIFTH ANNUAL REPORT.

The income for the year is \$28,679 78

CASH RECEIPTS.

1883.

March	9—Amount received of City Treasurer, . . .	\$10,474 25
April	2—Semi-annual dividend on \$100,000 stock K. A. & G. R. Railroad at 3 per cent., . . .	3,000 00
"	7—Amount received of City Treasurer, . . .	2,266 98
June	1—Semi-annual interest on \$25,000 Cincinnati & Indianapolis Railroad 7 per cent. bonds,	875 00
"	15—Semi-annual interest on \$265,000 Valley Railway 7 per cent. bonds,	9,275 00
July	1—Interest on deposits,	571 27
Sept.	4—Amount received of City Treasurer, . . .	8,291 55
Oct.	1—Semi-annual dividend on \$100,000 stock K. A. & G. R. Railroad at 3 per cent., . . .	3,000 00
Nov.	6—Amount received of City Treasurer, . . .	2,304 65
Dec.	1—Semi-annual interest on \$25,000 Cincinnati & Indianapolis Railroad 7 per cent. bonds,	875 00
"	15—Semi-annual interest on \$315,000 Valley Railway 7 per cent. bonds,	11,025 00

1884.

Jan'y	1—Interest on deposits,	60 01
	Cash on hand January, 1883, as per report,	30,110 12
	Total,	\$82,128 83

CASH EXPENDITURES.

1883.

June	22—Purchase \$50,000 Valley Railway 7 per cent. bonds,	\$50,000 00
Sept.	5—For Cleveland City notes Nos. 26 and 30, . .	14,400 00
Dec.	1—For Cleveland City notes Nos. 34 and 35, . .	3,500 00
	Express charges on coupons for the year,	1 50
	Cash on deposit January 2, 1884,	14,227 33
	Total,	\$82,128 83

There has been received from the City Auditor individual notes amounting to \$5,981.25, and that amount placed to the credit of the Viaduct Sinking Fund.

The following items constitute the Viaduct Sinking Fund January 2, 1884:

Valley Railway 7 per cent. bonds, par value,	\$315,000 00
Cincinnati & Indianapolis Railroad 7 per cent. bonds, par value,	25,000 00
1,000 shares stock K. A. & G. R. Railroad, par value,	100,000 00
Bills receivable Cleveland City notes,	17,900 00
Bills receivable individual notes,	5,981 25
Cash on deposit,	14,227 33
Total,	\$478,108 58

THIRD.

GENERAL SINKING FUND.

FIFTH ANNUAL REPORT.

The income for the year is \$500 38

CASH RECEIPTS.

1883.

March 9—Amount received of City Treasurer,	\$16,372 50
April 7—Amount received of City Treasurer,	3,893 11
June 14—Amount received of City Treasurer,	4,487 14
July 1—Interest on deposits,	310 77
Sept. 4—Amount received of City Treasurer,	12,867 96
Nov. 6—Amount received of City Treasurer,	180 29

1884.

Jan'y 1—Interest on deposits;	189 61
Cash on hand January, 1883, as per report,	8,491 25
Total,	\$46,792 63

CASH EXPENDITURES.

1883.

Sept. 5—Paid into City Treasury to redeem City bonds due September 1st,	\$46,000 00
Cash on deposit January 2, 1884,	792 63
Total;	\$46,792 63

THE ASSETS OF THE GENERAL SINKING FUND.

January 2, 1884, is cash on deposit, \$792 63

CLEVELAND, January 2, 1884.

H. B. PAYNE,	}	SINKING FUND COMMISSIONERS.
W. BINGHAM,		
CHARLES HICKOX,		
J. H. WADE,		
S. T. EVERETT,		

CLEVELAND, Dec. 28, 1883.

I hereby certify that the account contained in the foregoing statement of city and individual notes, and of moneys paid over to the Sinking Fund Commissioners from the City Treasury is correct and complete.

HENRY FORD,
City Auditor.

ANNUAL REPORT
OF THE
CITY CLERK,
TO
THE CITY COUNCIL OF CLEVELAND,
FOR THE YEAR 1883.

CITY CLERK'S REPORT.

To the Honorable City Council:

GENTLEMEN: — Herewith I have the honor of submitting the annual report of this department for the year ending December 31st, 1883.

LICENSES.

There were issued during the year 7,357 licenses, for which \$17,543.58 was received and paid into the city treasury, to the credit of the following funds:	
General fund.....	\$ 4,210 75
Infirmary fund.....	6,990 83
Police fund.....	5,189 00
Street fund.....	1,038 00
Armory fund.....	115 00
Total.....	\$17,543 58

The table hereto appended is a full exhibit of the number of licenses issued and the amounts received in each class and during each month.

CITY CLERK'S REPORT.

PRINTING, STATIONERY, &c.
 The following table shows the cost of Blank Books, Printing, Stationery, etc., furnished the different departments of the city during the year 1883.

DEPARTMENTS.	Blank Books.		Papers and Envelopes.	Stationery Sundries.	Lithographing.	Engineer's Supplies.	Totals.
Mayor.....	\$ 2 11		\$ 4 00	\$ 4 65			\$ 14 90
Board of Improvements..	52 46	04 19	5 50	23 15			142 29
Fire Department	127 55	214 10	4 40	12 08			358 73
Police Department.....	134 70	158 09	56 12	102 14	\$ 4 00		455 05
Police Court.....	17 26	247 43	16 01	29 28			309 98
Workhouse.....	7 65	62 64	13 00	4 70	13 50		101 49
Infirmary Department..	49 92	117 89	1 80	6 00			175 61
Water Works.....	56 48	156 90	3 45	63 42			280 25
Auditor.....	59 06	298 57	22 84	99 33	50 00		529 80
Treasurer.....	31 38	16 84	1 28	20 39	79 20		148 59
City Clerk.....	244 83	4590 71	7 71	98 75	24 50		4968 50
Solicitor.....	1 25	389 15	6 25	16 39			413 04
Engineer.....	33 63	139 42	11 04	86 90		\$ 74 30	345 38

PRINTING, STATIONERY, &c., Continued.

DEPARTMENTS.	Blank Books.	Printing.	Papers and Envelopes.	Stationery Sundries.	Lithographing.	Engineer's Supplies.	Totals.
Street Commissioner.....	\$ 11 78	\$ 32 53	\$ 11 70	\$ 22 74	.....	.....	\$ 78 75
Health Department.....	185 50	262 45	19 93	23 53	.....	.....	491 41
City Sealer.....	.....	23 55	1 35	10 15	.....	.....	34 65
Parks.....	8 56	26 00	5 65	53 12	.....	.....	93 33
Cemetery.....	.....	28 75	.....	.....	.....	.....	28 75
Smoke Inspector.....	.....	3 60	.....	1 30	.....	.....	4 90
Totals.....	\$1,024 15	\$6833 01	\$ 192 03	\$ 678 71	\$ 171 20	\$ 74 30	\$8,973 40

ADVERTISING.

The system of having official advertising done in English, German and Bohemian papers has proven most satisfactory. Not only has it given the different nationalities every opportunity to become thoroughly conversant with the city's transactions, but the cost has actually been reduced from that of previous years. The following report shows the cost of advertising charged to the departments during the year:

DEPARTMENTS.	Amount.
Mayor.....	\$ 269 33
Board of Improvements.....	1,934 74
Fire Department.....	56 50
Police Department.....	17 50
Board of Workhouse Directors.....	8 59
Board of Infirmary Directors.....	66 39
Water Works.....	168 63
City Auditor.....	217 44
City Clerk.....	5,553 14
City Solicitor.....	5 94
City Civil Engineer.....	489 61
Board of Health.....	54 45
Board of Cemetery Trustees.....	37 15
Markets.....	6 02
Total.....	\$8,885 43

THE LICENSE SYSTEM.

Although the revenues received by the city during the past year, under the existing license ordinances were considerably greater than during any previous year, the results are far from being satisfactory. The fact is all too apparent that Cleveland has the worst license system of any large city in the country. It would appear that the principle sought to be carried out by it is that certain vocations among the poorer classes alone need regulating. It is a ridiculously inconsistent system, without even the semblance of justice. I sincerely trust that your honorable body will set about to provide the remedy, which rests in the establishment of an entirely new system. Permit me, therefore, to offer the following suggestions:

All licenses should be issued yearly, and for the expiration and renewal of licenses of each class a certain date should be fixed.

For licenses issued during the year a pro rata fee should be charged.

Telegraph, telephone and electric light companies, who locate their poles and stretch their wires along the streets of the city; gas companies who use the streets as the receptacle for their pipe lines; street railroads which mutilate the road-beds; plumbers, etc., who tear up pavements and bury their pipes in the streets, should all be required to pay to the city proportionate fees for the above privileges.

Street railroad companies should be required to place a car license in a conspicuous place in each car operated. This will ensure a strict observance of the ordinance. By actual investigation last summer, I found that dozens of cars were operated without a license.

I would further recommend that the fees of peddlers of the first and second classes, and of draymen and expressmen be lowered, and that a higher fee be imposed upon theaters, cir-

cuses, museums, concerts, and other performances for gain, and upon pawn-brokers.

Finally, that the conduct or operation of all the following, be licensed:

Dancing halls, bowling alleys, billiard and pool tables, bill posters, shooting galleries, junk dealers, pleasure boats let out for hire, runners for hotels, etc., auctioneers, brokers, side-shows of circuses, transient traders, book agents, and several other classes that might be enumerated.

To adopt this system would be merely an act of justice to those who now pay annual fees. It would carry out the principle of regulation, and not of extortion, as appears to have become the popular idea with many persons in charge of public administration elsewhere. It would, furthermore, lessen the burden of taxation which is so heavily weighing upon the worthy middle and poorer classes.

Respectfully submitted,

CHAS. P. SALEN, *City Clerk.*

ECEMBE

Doc

Number

1

2

2423

1987

308

16

2

3

4742

\$5

CEMBER

Dogs.	
Number	Amount
1	\$
2	
.....
.....
.....
2423	2,64
1987	2,14
308	32
16	1
2	
3	
.....
4742	\$5,18

ANNUAL REPORT

OF THE

BOARD OF IMPROVEMENTS

TO

THE CITY COUNCIL OF CLEVELAND,

FOR THE YEAR 1883.

REPORT OF BOARD OF IMPROVEMENTS.

To the Honorable City Council:

GENTLEMEN:—The Board of Improvements respectfully submits its annual report for the year ending December 31, 1883, containing the different amounts of expenditures for work done under this department during the past year, not included in the reports of the City Civil Engineer and Street Commissioner.

The reports last mentioned give a particular account of all city work done and improvements made by contract under the supervision of this Board, and are submitted herewith, to be considered in connection with and as a part of the report of this department of the city government.

There are no contracts now unperformed which cannot presumably be completed before this Board's successor shall be organized, with the exception of the Broadway main sewer, which could scarcely be completed in one season, and the Board recommends that, so far as possible, contracts should not be entered into near the close of a term of this body, and that all contracts made by the Board should be completed, if practicable, during its life, as the inheritance of contracts by one Board from another must naturally lead to considerable embarrassment.

An examination of the Street Commissioner's report will show the sums disbursed for under his superintendence. The

unpaved streets have been greatly improved, many of which have, during the past summer and fall, been cleaned, or, more properly speaking, repaired, which had received no attention for several years prior to that time. The Board is of the opinion that, with few exceptions, stone should be the material used for pavement, and that such streets should be cleaned by a process of sweeping. The method hitherto practiced, of cleaning paved streets by the mile under contracts for a year is very imperfect, and consequently very expensive. At the present session of the General Assembly of the State, a statute has been enacted authorizing the Board to contract for cleaning paved streets by districts for a term of not less than one nor more than three years. Under this method the work on the unpaved streets will be done by labor engaged by the day, under the direction of the Street Commissioner. This, the Board thinks, will be an improvement on the old plan of cleaning the streets, both paved and unpaved.

The expenditures authorized by the Board, not set forth in the reports of the City Civil Engineer and Street Commissioner, are as follows:

BRIDGES.

VIADUCT.

Tenders' pay roll	\$6,638 43
Repairs' pay roll	383 51
Supplies, repairs	216 48
Ordinary Supplies	318 80
	<hr/>
	\$7,557 22

WILLOW STREET.

Tenders' pay roll	\$2,347 60
Repairs' pay roll	142 11
Supplies, repairs	10 42
Ordinary supplies	15 37
	<hr/>
	\$2,515 30

MAIN STREET.

Tenders' pay roll.....	\$3,364 63	
Repairs' pay roll.....	315 74	
Supplies, repairs.....	21 34	
Ordinary supplies.....	12 14	
	<hr/>	\$3,713 85

CENTER STREET.

Tenders' pay roll.....	\$2,562 60	
Repairs' pay roll.....	319 73	
Supplies, repairs.....	45 00	
Ordinary supplies.....	12 14	
	<hr/>	\$2 939 44

SENECA STREET.

Tenders' pay roll.....	\$2,299 82	
Repairs' pay roll.....	248 18	
Supplies, repairs.....	107 95	
Ordinary supplies.....	15 87	
	<hr/>	\$2,671 82

COLUMBUS STREET.

Tenders' pay roll.....	\$2,362 60	
Repairs' pay roll.....	995 41	
Supplies, repairs.....	781 52	
Ordinary supplies.....	9 30	
	<hr/>	\$4,148 83

LOWER CENTRAL WAY.

Tenders' pay roll.....	\$2,493 76	
Repairs' pay roll.....	177 38	
Supplies, repairs.....	46 54	
Ordinary supplies.....	15 37	
	<hr/>	\$2,733 05

UPPER CENTRAL WAY.

Tenders' pay roll.....	\$2,568 23	
Repairs' pay roll.....	592 08	
Supplies, repairs.....	197 96	
Ordinary supplies.....	7 93	
	<hr/>	\$3,366 20

JEFFERSON STREET.

Tenders' pay roll.....	\$1,428 80	
Repairs' pay roll.....	188 75	
Supplies, repairs.....	72 54	
Ordinary supplies.....	15 37	
	<hr/>	\$1,701 46

WALWORTH RUN.

Tenders' pay roll.....	\$1,095 00	
Repairs' pay roll.....	261 51	
Supplies, repairs.....	3 80	
Ordinary supplies.....	15 86	
	<hr/>	\$1,376 17

SWISS STREET.

Tenders' pay roll.....	\$428 25	
Repairs' pay roll.....	26 37	
Ordinary supplies.....	3 23	
	<hr/>	\$455 85

BURKE BROOK.

Repairs' pay roll.....	\$7 50	
Supplies, repairs.....	2 69	
	<hr/>	\$10 19

SOUTH WATER STREET.

Repairs' pay roll.....	\$35 87	
Supplies, repairs.....	21 10	
	<hr/>	\$56 97

COMMERCIAL STREET.

Repairs' pay roll.....	\$ 8 00	
Supplies, repairs.....	21 96	
	<hr/>	\$29 96

VALLEY.

Repairs' pay roll.....	\$351 39	
Supplies, repairs.....	74 50	
	<hr/>	\$425 89

STEARNS STREET.

Repairs' pay roll.....	\$31 75	
Supplies, repairs.....	14 19	
	<hr/>	\$45 94

FACTORY STREET.

Repairs' pay roll.....	\$6 37	
	<hr/>	\$6 37

LEXINGTON STREET.

Repairs pay roll.....	\$14 87	
	<hr/>	\$14 87

GENERAL ACCOUNT.

Repairs' pay roll.....	\$ 660 29	
Lumber.....	1,457 40	
Oil.....	307 00	
Supplies, repairs.....	924 11	
Ordinary supplies	229 05	
	<hr/>	\$3,577 85
		<hr/>
		\$37,469 85

LIGHTING ACCOUNT.

Gas lights.....	\$69,571 24	
Electric lights.....	16,259 71	
Fluid lights.....	17,145 41	
Lamp-posts, lamps, etc.....	5,536 26	
	<hr/>	\$108,512 72

ARMORY ACCOUNT.

Ordinary expenses.....	\$150 07	
	<hr/>	\$150 07

P O U N D S .

FIFTH WARD.

Pound keeper's pay roll.....	\$616 50	
	<hr/>	\$616 50

SIXTH WARD.

Pound keeper's pay roll.....	\$595 50	
Repairs, supplies.....	1 25	
	<hr/>	\$596 75

THIRTEETH WARD.

Pound keeper's pay roll.....	\$588 00	
Rent of pound.....	35 00	
	<hr/>	\$623 00

FOURTEENTH WARD.

Pound keeper's pay roll.....	\$309 00	
	<hr/>	\$309 00

SEVENTEENTH WARD.

Pound keeper's pay roll	\$310 50	
Rent of pound.....	15 00	
	<hr/>	\$325 50

EIGHTEENTH WARD.

Pound keeper's pay roll.....	\$573 00	
	<hr/>	\$573 00

WEST SIDE.

Pound keeper's pay roll.....	\$600 00	
Repairs.....	14 63	
Repairs, supplies.....	1 20	
	<hr/>	\$615 83
Total.....		\$3,659 85

SUPERINTENDENT OF IMPROVEMENTS.

Paving and repaving.....	\$3,163 75	
Sewers	1,963 05	
Dredging	706 50	
Bridge construction.....	556 50	
Protection piling	227 50	
Grading and curbing.....	143 00	
	<hr/>	\$6,760 30

OTHER EMPLOYES.

Mayor's Clerk and Clerk of Board.....	\$2,000 00	
Assistant Clerk.....	720 00	
Other assistants.....	240 00	
Inspector of sidewalks.....	720 00	
Smoke Inspector, (appointed Aug. 1, 1883.).....	625 00	
	<hr/>	\$4,305 00

CITY HALL.

Repairs and supplies for engine room.....	\$ 107 87	
Repairs on offices.....	167 69	
Repairs on building.....	776 83	
Supplies.....	90 06	
Coal.....	1,329 30	
	<hr/>	\$2,471 75

MAYOR'S AND BOARD OFFICES.

Supplies and Stationery.....	\$248 03	
	<hr/>	\$248 03

MARKET ACCOUNT.

Cleaning markets and hay scales, repairs and sup- plies.....	\$377 63	
New hay scales.....	115 00	
	<hr/>	\$492 63

CUYAHOGA RIVER.

Sounding river.....	\$ 32 00
Towing snags.....	47 60
Supplies.....	417 05
Removing obstructions from river during flood of February, 1883.....	2,310 31

\$2,806 36

PAVEMENT REPAIRS.

Prospect street.....	\$ 300 00
Seneca street.....	225 00
Ontario street.....	332 00
Lake street.....	895 00

\$1,752 00

SEWERS AND CATCH BASINS.

Long street sewer.....	\$ 389 56
Cleaning sewer, (Bank street).....	30 55
Cleaning catch basin cor. Franklin and Colum- bus streets.	22 30
Willson avenue sewer (lumber).....	42 49
Lake and Canfield streets, (new catch basin)....	70 60
Catch basin, (Sibley street).....	45 00
Spring street sewer, (cleaning).....	37 60

\$638 10

MISCELLANEOUS.

Sidewalk tax refunded.....	\$ 96 44
Filling in Broadway at the intersection of Miles avenue and Warren Road.....	125 00
Removing Bridge E. Madison avenue at Work- house.....	25 00
Scranton avenue culvert.....	595 85
Laying crosswalks.....	157 30
Sewer tax refunded.....	11 20

Damages for horse killed at Willow street bridge	80 00	
Sidewalk inspector (horse and buggy).....	22 50	
Waverley avenue (sewer repaired).....	16 70	
Lighter and diving apparatus to examine foundation of Main street bridge.....	40 00	
Dredging buoy.....	27 05	
Printing and advertising.....	990 93	
		<hr/>
		\$2,187 97

SUMMARY.

Bridges.....	\$ 37,469 85	
Lighting account.....	108,476 50	
Armory.....	150 07	
Pounds.....	3,659 58	
Superintendents of Improvements.....	6,760 30	
Other employes.....		<hr/>
City Hall expenses.....	2,471 75	
Mayor's and Board offices.....	248 03	
Market account.....	492 63	
Cuyahoga River.....	2,685 29	
Pavement repairs.....	1,752 00	
Sewers and catch-basins.....	638 10	
Miscellaneous.....	2,187 97	
		<hr/>
		\$166,992 07

All of which is respectfully submitted.

By order of the Board.

JAMES HOSSACK,
Clerk.

ANNUAL REPORT

OF THE

CITY CIVIL ENGINEER

OF THE

CITY OF CLEVELAND,

FOR THE

YEAR ENDING DECEMBER 31, 1883.

REPORT OF THE CITY CIVIL ENGINEER.

To the Honorable Board of Improvements:

GENTLEMEN—I respectfully submit the annual report of the City Civil Engineer's Department for the year ending December 31st, 1883.

The total cost of all work done and improvements made under the direction of this department during the past year, amounts to \$582,379 55. This amount includes the cost of repairs of the city bridges, amounting to \$10,941.57, which this year have been very heavy, as the flood which occurred February 2d and 3d, 1883, caused a large amount of damage.

Two new iron bridges have been constructed, one over the canal above the Paper Mill, at the Reede farm, and one at the crossing of Upper Central Way, on the flats, on the site of the one carried away by the flood of February last. The water in the river during the flood, at this bridge, raised thirteen feet four inches above the city base of levels, and at Lower Central Way the water rose up to the level of the floor of this bridge.

The bridge carried away at Upper Central Way was a very light structure, only one hundred and forty-five feet long, with a fixed span fifty feet in length, on the southerly side of the river, with two piers in the channel of the river. The floor of the old bridge was only ten and one-half feet above the city

base of levels. The new bridge is one hundred and eighty-five feet long and the floor is sixteen feet above the city base of levels.

The high water during the flood damaged the foundations of the piers and abutments of several of the city bridges. The center pier of Main street bridge and the two abutments of Center and Columbus street bridges were undermined. The north abutment of Columbus street bridge has been rebuilt during the past year, and the others will have to be rebuilt in time.

The west abutment of Jefferson street bridge has slid or moved into the river, and the north pier and the south abutment of Seneca street bridge will both have to be rebuilt at no distant day. The wood piers of the old bridge on Swiss street will have to be rebuilt soon, unless a culvert is built and the bridge filled in with earth. The cause of all these piers and abutments failing, is, that the piles in the foundation are too short, too small, and not enough of them. When these structures were built fifteen or twenty years ago, piles were used only fifteen to twenty-five feet long. Vessels then did not draw more than ten to twelve feet of water, and the river did not have to be dredged from fourteen to sixteen feet deep as at present.

The river during the past two years has scoured out very badly under all the draw bridges. Under Main street bridge, or just above the center pier, the water was found to be twenty-seven or twenty-eight feet in depth, and under all the bridges, the water was found to be, after the flood, from twenty to twenty-four feet deep. The reason for this, is, that the center piers occupy from twenty to twenty-six feet of the river channel, and contracts or narrows up the same to that extent, and causes the sand and mud in the river bed under the bridges to be scoured out, and consequently the piles used in foundations of the abutments and piers years ago are now too short. Piles used in foundations of bridges now ought

to be forty to fifty feet long; of good size and driven from two and one-half to three feet apart from centers so as to sustain the pressure of the roadway behind them without sliding towards the river.

It is proposed to rebuild the center pier of Main street bridge during the year of 1884, and also fit up the bridge to turn by steam power.

The Viaduct and draw is in good running order. A part of the wood paving on the easterly approach will have to be renewed during the coming year.

Considerable settlement has taken place in the foundations of the piers and abutments of the arches on the west side of the river. Levels were taken on the footing courses of the piers and abutments after they were built up to the spring line, and at intervals of six, nine, and twelve months afterwards, as the work progressed until the structure was completed and the roadway paved, and since completion, up to the present time; commencing at pier 8, at the west end of the Iron Draw, and running westerly to the abutment numbered 17.

The total settlement of pier 8 from the time it was built up to the spring line, until the Viaduct was completed and opened; a period of about three years, was one and three-fourths inches, and at pier 16 the settlement was four and one-fourth inches. The settlement gradually increases from pier 8 at the draw to the west end.

Since the completion of the Viaduct in 1879 up to the present time, a period of four years, the settlement has been very light, being only about one-half inch over each pier; except in two instances, the northerly ends of piers 14 and 15 settled in one year about one inch more than the southerly ends. This unequal settlement in these two foundations has caused three of the arches, adjacent thereto, to crack longitudinally, nearly square through the centers. These cracks will not injure the structure to any great extent.

One thing is certain in building the Viaduct, from the time that the piers were up to the spring line, until it was completed, or while the load was being increased on the foundations, the same continued to settle and as soon as the Viaduct was completed and no additional load has been put on, the settlement for four years has not exceeded five-eighths of an inch. Therefore if the load had been increased by putting in solid stone backing over the arches, instead of gravel, as was put in, the foundations would have been so heavily loaded as to have caused them to have settled and cracked to such an extent as to injure the Viaduct very much and perhaps render it unsafe.

I have, during the past year, made three estimates on as many different routes for a high level bridge over Kingsbury Run, and six estimates on as many different routes for high level bridges from the East Side to the South and West Sides; also one over Walworth Run, from Crown street to Abbey street.

SEWERS.

During the year plans have been prepared for nine and seventy-six-one-hundredths miles of sewers, and six and eighty-eight one hundredths miles have been constructed at a cost of \$121,431.99. The most important of these were located in Water street, from Lake to Superior street; in Superior street, from Monumental Square to Erie street; also from Willson to Case avenues; and the District No. 15 sewers, embracing the main in East Madison avenue, from Lena to Euclid avenue, with branches in Euclid, from Giddings brook to Fairmount street, and a temporary outlet through Beecher street and Lena avenue to Dunham avenue Main Sewer. The proposed repaving of Euclid avenue, from Willson avenue to Fairmount street, made it extremely desirable that the avenue should be properly sewered before laying an expensive and durable block-stone pavement; but to have provided an outlet, by constructing a main sewer from the

lake through East Madison avenue to Euclid avenue, a distance of nearly two and one-fourth miles, would have delayed the repaving not less than two or three years.

The only practical plan for sewerage the street and at the same time preventing this delay, seemed to be, to construct that portion of the main in East Madison avenue, between Lena and Euclid avenue, with a temporary outlet through Lena and Beecher streets to Dunham avenue main. This plan met with some opposition for the reason, that, while under existing laws, the city could construct and connect the sewer in the manner proposed, there was no legal way provided, by which, to compensate District No. 7 for a use of a portion of its mains. The time consumed in obtaining this necessary legislation and taking the requisite preliminary steps for construction, delayed the beginning of work until the latter part of July. The amount of work to be done, together with the late commencement and the difficulties encountered in construction, made it utterly impossible to construct the sewer and appurtenances, allowing time for a proper settlement of the road-bed, and complete the paving the past season. With the exception of connections and branches at intersecting streets between East Madison avenue and Brookfield street, the sewer in Euclid avenue is now finished as far east as Fairmount street, and the work of repaving can be carried on to completion as soon as the weather becomes favorable. The main in East Madison avenue and the outlet in Beecher street and Lena avenue will be finished about May 1st, 1884.

DREDGING.

A large amount of dredging has been done and the channel has been kept in fair condition during the season of navigation. During the flood of last February, bars formed at many places in the river which had to be removed, and more dredging would have been done but for the lack of funds. The high water in the lake and river during the season 1882

has continued through 1883, the water being as much as one foot higher than the ordinary stage. The prevalence of North-east winds I think is the cause of the high water. A vessel loaded with iron ore, drawing fifteen and one-half feet of water, passed up the river to the lower blast furnaces this year.

PAVEMENTS.

There has been five and five hundred and seventy-five one-thousandths miles of streets paved with Medina stone during the past year; of this two and one hundred and sixty-six one-thousandths miles have been laid with dressed block stone, and two streets on which a tax has been levied for a common stone pavement, have been changed and an additional tax has been levied for a block stone pavement; thus showing that this kind of pavement is growing in the estimation of the public, even if it does cost one-third more.

SURVEYS, Etc.

A first-class contour map should be made of the entire city and be properly mounted on rollers in the office of the City Civil Engineer.

Of surveys made in 1883, that of the Kingsbury Run bridge route may be specially mentioned. The entire center line as finally fixed upon having been accurately measured and staked out from Davies to Jackson street. Over one hundred and fifty buildings situated along the route were located and special maps were prepared showing the exact amount of land to be taken from each property owner on the route.

Lines and levels for nearly a mile of new iron fence around Woodland Cemetery were given; also lines for new fences around the Central High and 18th Ward school lots.

Location stakes and levels for seven new school houses were given. The total surveys as shown in annexed table number thirty-one as against twenty-two in 1882.

The examination of petitions, remonstrances, etc., referred to me, has required a large amount of work, there having been represented on such papers in 1883 about 145,000 feet or twenty-eight miles of frontage, scattered over a total street frontage of over 254,000 feet, or forty-eight miles. The name of every person signed on these petitions, etc., must be compared with the county records to ascertain whether he owns the property signed for or not. It will be readily seen that this matter calls for considerable time and labor. Likewise the reporting as to whether the tax assessed for street improvements will exceed twenty-five per cent. of the taxable valuation of any of the pieces of property fronting on the improvement, or not; special taxes being limited by statute to that amount.

The work of preparing house numbering maps increased over 1882 by more than one-half, there having been seventeen and one-fourths miles of streets numbered in 1883, as against eleven and one-half miles in 1882. The maps must show the location of the front of each house and each doorway, and these must be obtained by survey. The first volume of these maps under the present ordinance has been bound and is on file.

The work of examination and reporting on all new plats of sub-divisions, etc., submitted, also increased largely over 1882, there having been thirty-one plats so reported last year as against fifteen in 1882.

Maps of about 74,000 feet, or fourteen miles of streets, showing frontages, ownerships and valuations, were made in 1883, being about the same as in 1882, viz. thirteen and one-half miles.

The record and location by wards on maps of all new street lamps has been kept. As shown by annexed table there was a total of 5,146 city street lamps January 1st, 1884, an increase of 348 since January 1st, 1883.

Another matter which has not been mentioned in previous

reports is the protection of all street monuments in street being improved. This work has been especially large in the last few years on account of the large amount of grading, paving, sewerage, etc., done. These monuments must be "referenced" by instrumental lines and afterward accurately reset to suit the grade of street. About eighty monuments were referenced in 1883, most of which have been reset, and about twenty new ones were set to mark points fixed by survey or to replace old ones.

There has been eleven assistants employed in the office during the entire year, and two assistant engineers were employed for a short time in addition to those employed on the regular force.

I cannot close without thanking your Honorable Board for the consideration you have shown me during our official intercourse, and extend through you to the City Council and other boards of the City Government my best regards for the courtesies shown to the department of which I have the honor to be the head. I also here take pleasure in commending in the highest terms the efficiency of the members of the Engineer Corps, under my charge, and thank them for the readiness they have always shown in discharging the duties assigned to them.

Very respectfully,

B. F. MORSE.

City Civil Engineer.

TABULAR STATEMENTS.

TABLE No. 5.
MISCELLANEOUS IMPROVEMENTS.

Improvement.	How Improved.	Cost.	Contractor.
Columbus street bridge.....	New N. abutment.....	\$4,785 83	Jas. Cunnea.
City Hall attic.....	Constructing rooms.....	8,000 00	John Oliver.
" "	Plumbing.....	423 46	Geo. S. Paine.
Lower Central Way bridge.....	Raising W. approach	678 58	M. O'Donnell.
Upper Central Way bridge.....	New iron bridge.....	13,991 55	King Iron Bridge & Manu'ling Co.
" " "	Masonry and foundation.....	17,978 99	Chas. H. Strong.
" " "	Raising approaches.....	1,210 63	M. O'Donnell.
" " "	Temporary bridge.....	1,200 00	City.
Superior street dock, etc	New piles and timber.....	518 12	L. P. & J. A. Smith.
Front street dock	" " "	781 24	L. P. & J. A. Smith.
Protection piling.....	Various bridges.....	6,330 92	C. Engle.
Street sprinkling	Viaduct, Market and Mon. Square.	1,351 00	John Theman.
" "	West Side Market	140 00	J. F. Costello.
" signs	Glass and wood	365 00	Smolk & Cole.
Lighting streets, bridges, etc .....	.....	47,839 79	Cleveland Gas Light Co.

TABLE No. 5—Continued.

Improvement.	How Improved.	Cost.	Contractor.
Lighting streets, bridges, etc.....	.....	22,499 85	Peoples' Gas Light Co.
" " ".....	.....	16,571 25	Brush Electric Light & Power Co.
" " ".....	.....	17,757 82	J. P. Humphrey.
Glass, street lanterns and repairs.....	.....	2,347 59	H. B. Hunt.
Lamp posts and frames.....	.....	2,909 00	Bowler & Co.
Repairs to bridges.....	.....	8,944 91	City.
Pulling and driving piles.....	.....	484 83	Geo. Gloyd.
" " ".....	.....	297 60	C. J. Engle.
City Hall.....	Water connection.....	487 84	Geo. S. Palne.
Euclid avenue at Brookfield street.....	Repairing culvert.....	240 00	Mahon Bros.
Upper Central Way Bridge.....	Removing from river.....	150 00	J. Duesenberry.
" " ".....	Removing to Viaduct.....	25 00	H. B. Carpenter.
Euclid avenue at Doan Brook.....	Culvert repaired.....	181 33	Mahon Bros.
Upper Central Way Bridge.....	Foundation to house, etc.....	220 00	Clements Bros.
Howe street intersection.....	Paving.....	80 20	Brennan & Rieley.
Town Hall, 18th Ward.....	Repaired.....	605 00	H. O. Adams & T. J. Towson.

TABLE NO. 5—Concluded.

Improvement.	How Improved.	Cost.	Contractor.
Concrete paving.....	Repaired.....	1,745 00	Columbus Paving Co.
Wade Park and Giddings.....	Culvert repaired.....	156 20	Wm. Dennon.
Armory.....	Steam fitting.....	72 56	Smith & Connors.
Hay Scales—West Side.....	Renewed.....	115 00	Cleveland Scale Co.
City Hall Scales.....	Repaired.....	27 59	Fairbanks, Morse & Co.
Market House—18th Ward.....	Sidewalks.....	259 82	Forest City Stone Co.
Sidewalks.....	Delinquent.....	1,027 10	" " "
Brookfield street culvert.....	Repaired.....	295 56	L. F. Beers.
		\$172,540 19	

TABLE NO. 6.
IMPROVEMENTS UNDER CONTRACT AND IN PROGRESS.

Name of Street.	From	To	Improvement.	Approx. Length to Complete.	Approx. Cost to Complete.	Contractor.
Broadway	1,200 ft. S. of Kingsbury Run	Union street	Sewer	10,470	\$59,160 00	Brennan & Rieley.
Beecher and Lena av..	Dunham avenue.....	E. Madison avenue..	"	1,450	6,341 88	Delamater & Everson.
Euclid ave	Giddings brook.....	Fairmount street....	"	300	4,827 87	Clements Bros.
"	Willson avenue.....	"	Repaving ...	6,400	86,975 39	Delamater & Claßen.
E. Madison avenue...	Lena avenue.....	Euclid avenue	Sewer	1,070	14,409 81	Clements Bros.
Superior street.....	Monumental Square.....	Erie street.....	Repaving....	220	5,056 70	H. M. Claßen.
Total approximate length in feet and cost				19,910	\$176,771 65	

TABLE No. 7.
PLANS HAVE BEEN MADE FOR SEWERS IN THE FOLLOWING:

Streets and Avenues.	From	To	Length in Feet.
Alabama street.....	Superior street.....	Payne avenue.....	780
Beecher street.....	Dunham avenue.....	Giddings avenue.....	1,470
Belmont street.....	Orange street.....	Croton street.....	470
Birch street.....	Bridge street.....	Northerly.....	600
Birch street.....	Lorain street.....	Southerly.....	505
Broadway.....	800 ft. south of Independence street.....	Ætna.....	11,770
Brooker avenue.....	Garden street.....	Northerly.....	860
Burton street.....	Lorain street.....	Cork street.....	1,180
Carr street.....	Woodland avenue.....	Platt street.....	750
Carroll street.....	Pearl street.....	Fulton street.....	2,080
Curtiss avenue.....	Willson avenue.....	Easterly.....	1,100
Dare street.....	Lorain street.....	Bridge street.....	1,210
East Madison avenue.....	Lena avenue.....	Euclid avenue.....	8,100
East Madison avenue.....	Woodland avenue.....	Platt street.....	840
Euclid avenue.....	Russell avenue.....	City limits.....	11,460

TABLE NO. 7—Continued.

Streets and Avenues.	From	To	Length in Feet.
Grant street.....	Cedar avenue.....	Garden street.....	1,000
Harper street..	Garden street.....	Scovill avenue	945
Hackman street.....	"	"	915
Humboldt street.....	Woodland avenue	Orange street.....	880
Jessie street.....	Garden street.....	Cedar avenue	1,320
Kelley street	Case avene	Buckeye street.....	980
Kentucky street.....	Woodbine street.....	Bridge street.....	480
Lena avenue	Giddings avenue.....	East Madison avenue.....	1,620
Lincoln avenue	Euclid avenue	East Prospect street.....	780
Lincoln avenue	Woodland avenue	Northerly	770
Marion street.....	Perry street.....	Greenwood street.....	1,835
Newton street.....	Cedar avenue.....	Garden street.....	748
New street.....	Superior street...	Payne avenue.....	770
Olive street.....	Curtiss avenue.....	Southerly	810
Orange street	Mayflower street	Easterly	1,070
Outhwalte avenue	Kennard street	"	500

TABLE No. 7—Concluded.

Streets and Avenues.	From	To	Length in feet.
Payne avenue.....	Willson avenue.....	Case avenue.....	2,020
Platt street.....	East Madison avenue.....	Edwards street.....	610
Queen street.....	Pearl street.....	Edson street.....	800
Quincy street.....	Willson avenue.....	Judson street.....	4,170
Root street.....	Franklin avenue.....	Southerly.....	616
Russell avenue.....	Lexington avenue.....	Euclid avenue.....	2,200
Wallingford court.....	Woodland avenue.....	Alley.....	770
Woodland avenue.....	East Madison avenue.....	Lincoln avenue.....	1,080
Total length in feet.....			64,283
Total length in miles.....			12.19

TABLE No. 8.
SEWERS FOR WHICH TAXES WERE LEVIED OR ESTIMATES MADE DURING 1883.

Name of Street.	From	To	Length.	Estimated Cost.
Alabama street.....	Superior street.	Payne avenue.....	780	\$1,870 00
Belmont street.....	Orange street.....	Croton street.....	470	538 00
Birch street.....	Bridge street.....	Northerly.....	540	994 40
Broadway.....	800 ft. south of Independence st..	Union street.....	10,470	72,170 25
Brooker avenue.....	Garden street.....	Northerly.....	880	1,099 00
East Madison avenue and Platt street.....	Woodland avenue.....	Edwards street.....	1,450	1,407 50
East Prospect street.....	Schiely court.....	Easterly.....	440	1,558 00
Euclid avenue.....	Russell avenue.....	Giddings Brook.....	530	1,575 00
Forest street.....	Cedar avenue.....	Garden street.....	896	876 40
Harbor street.....	Randall street.....	Bridge street.....	1,170	2,872 30
Kentucky street.....	Woodbine street.....	".....	470	569 00
Marion street.....	Perry street.....	Greenwood street.....	1,335	1,742 00
New street.....	Superior street.....	Payne avenue.....	780	1,780 00
Olive street.....	Curtis avenue.....	Southerly.....	310	353 50
Orange street.....	Mayflower street.....	Humboldt street.....	600	1,636 00

TABLE No. 8—Concluded.

Name of Street.	From	To	Length.	Estimated Cost.
Oregon street	Dodge street	Mulrson street	1,170	\$2,983 00
Oregon street	"	Perry street	520	727 00
Pier street	Woodland avenue	Beaver street	790	985 00
Quincy street	Willson avenue	Glddings avenue	3,360	12,176 00
Russell avenue	Lexington avenue	Euclid avenue	2,200	6,141 00
Seelye avenue	400 ft. south of Woodland avenue ..	Julia street	1,300	3,307 00
Water street	Main street	Superior street	1,530	7,802 00
Woodland and Lincoln avenues	East Madison avenue	800 ft. west of Woodland avenue ..	1,800	2,066 00
Total length and estimated cost			38,771	\$127,198 86
Total miles			6.89	

TABLE No. 9.
STREETS ON WHICH SIDEWALK GRADES HAVE BEEN
GIVEN.

NAME OF STREET.	LENGTH IN FEET.
Bailey street.....	2,612
Bergin street.....	1,520
Brook street.....	710
Buhrer avenue.....	3,330
Calvert street.....	1,654
Clark avenue.....	4,815
Cleve street.....	562
Custead avenue.....	3,970
Dare street.....	1,474
Florence street.....	570
Forest street.....	3,242
Griswold street.....	1,280
Guernsey street.....	1,200
Haight street.....	1,824
Hayward street.....	1,800
Herschel street.....	3,780
Higgins street.....	3,120
Holmden street.....	3,980
Lawrence street.....	1,620
Lexington avenue.....	140
Louis street.....	3,050
Milford street.....	5,176
Mill street.....	3,240
McKinstry street.....	920
Morse avenue.....	1,580
Orange street.....	3,090
Oregon street.....	1,080
Payne avenue.....	807
Pear street.....	1,960
Pier street.....	1,500
Quincy street.....	3,520
Scranton avenue.....	10,500

Sterling avenue.....	4,810
Walton avenue.....	1,000
Warden street.....	1,100
Waring street.....	140
Willcutt avenue.....	1,520
Worley street.....	896
<hr/>	
Total feet.....	87,582
Total miles.....	16 1/2

TABLE No. 10.

STREETS UPON WHICH LEVELS HAVE BEEN RUN, OR CROSS SECTIONS TAKEN, DURING 1883.

Name of Street.	From	To	Length in Feet.	Work Done.
Abram.....	Rowley street.....	Branch avenue.....	2,257	C. S.
Ackley avenue.....	Broadway.....	Fleet street.....	2,837	"
Avery.....	Lester street.....	North end.....	854	"
Arlington.....	Cedar avenue.....	Garden street.....	1,406	"
Back.....	Queen street.....	Barber avenue.....	439	"
Brownell.....	Soovill avenue.....	Woodland avenue.....	912	"
Cowan.....	Fowler street.....	McBride street.....	403	"
Coleman alley.....	Iris alley.....	End.....	645	"
Central Way.....	Bridge approaches.....		488	"
Coe.....	St. Clair street.....	Lake street.....	1,010	"
Chestnut Ridge.....	Lorain street.....	W. Madison avenue.....	1,485	"
Consul.....	Gallup street.....	Wheatland street...	814	Levels.
Church.....	Pearl street.....	State street.....	1,017	C. S.
Canal.....	Ontario street.....	Ohio street.....	1,706	Levels.

TABLE No. 10—Continued.

Name of Street.	From	To	Length in Feet.	Work Done.
Crowell.....	Leon street	E. Madison avenue.....	315	Levels.
Decatur alley.....	Ohio street.....	East end	1,675	C. S.
Duane	Franklin avenue	Woodbine street.....	849	"
Dexter Place	Clinton street.....	Franklin place....	886	"
Emerald alley	Muirson street.....	Dodge street	1,491	Levels.
Euclid avenue	N. Perry street	Case avenue	4,805	C. S.
Francis.....	Tod street.....	Willson avenue.....	1,626	"
Fowler	Broadway....	N. Y. P. & O. R'y.....	1,148	Levels.
Frease avenue	Bailey street.....	Burton street	1,323	C. S.
Fremont.....	Brecksville road	Skinner street.....	2,983	"
Foreman	Tod street.....	Ledyard street.....	1,261	"
Gallup.....	Union	Regent street.....	1,563	Levels.
Greenwood	Woodland avenue	Garden street.....	1,892	C. S.
Garden	Willson avenue.....	Lincoln avenue	5,978	"
Hamlet	Broadway.....	Adolph street.....	1,810	Levels.

TABLE No. 10—Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Hinde	Broadway.....	Tod street.....	536	C. S.
Halten avenue	E. Madison avenue	Herald street	882	Levels.
Hanover	Detroit street.....	Franklin place....	968	C. S.
Hayward.....	Prospect street	Cedar avenue.....	806	"
Hamilton	Kirtland street.	Marquette street.....	1,861	"
Howard	Broadway.....	Woodland Hills avenue.....	1,681	"
Hector	Fowler street	McBride street.....	415	Levels.
High Bridge route.....	Scranton avenue... ..	Jennings avenue.....	1,181	"
"	Huron street	Scranton avenue.....	604	"
"	Central Way.....	Merchants avenue	2,629	"
"	Ontario street.....	Cliff street.....	3,588	"
"	Scranton avenue... ..	Bradford street.....	690	"
"	Jennings avenue.....	Tracy street.....	2,000	"
"	Martin street	Praba street	845	"
"	Scranton avenue	Bradford street.....	414	"

TABLE No. 10—Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Independence.....	Broadway.....	Valley R'y	1,409	C. S.
"	Fleet street.....	1,180 ft. north of May street.....	4,172	Levels.
Infirmary Farm road.....	.....	.....	1,850	"
Jones avenue	Harvard street.....	Broadway.....	1,283	C. S.
Jessie	Cedar avenue.....	Garden street.....	1,510	Levels.
Kane	Bailey street.....	Frease avenue	1,080	C. S.
Kingsbury Run bridge.....	Broadway	Croton street.....	2,996	"
"	"	Jackson street.....	4,175	"
Kentucky	Detroit street.....	Bridge street.....	2,145	"
Louisa Place.....	Phillip street	End	121	"
Leon	Holton street.....	Top of bank.....	896	"
Ledyard.....	Broadway.....	Fleet street	1,012	Levels.
Louls.....	Clark avenue	City limits	2,700	"
McBride	Broadway.....	N. Y. P. & O. R'y.....	1,224	C. S.
McConnell	Miles avenue	Broadway.....	1,873	"

TABLE No. 10—Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Nursery.....	Praha street.....	Berann street.....	427	C. S.
Orange.....	Mayflower street.....	Case avenue.....	2,246	"
Phillip.....	Praha street.....	Sawtell avenue.....	841	"
Praha.....	Nursery street.....	Alley.....	381	"
Pear.....	Gordon avenue.....	City limits.....	335	"
Payne avenue.....	Perry street.....	Willson avenue.....	7,334	"
Parkman lane.....	Brownell street.....	Erie street.....	1,141	"
Portage.....	Broadway.....	Adolph street.....	1,443	"
Parkman.....	Erie street.....	Brownell street.....	1,161	"
Perkins avenue.....	Sterling avenue.....	East end.....	488	"
Regent.....	Adolph street.....	Consul street.....	1,938	Levels.
Railway.....	Literary street.....	Central Way.....	673	C. S.
Steinway.....	Woodland avenue.....	Woodland Hills avenue.....	1,845	"
Sewer route.....	Eighteenth Ward.....	.....	1,752	Levels.
Sterling avenue.....	Superior street.....	Euclid avenue.....	2,970	"

TABLE No. 8—Concluded.

Name of Street.	From	To	Length.	Estimated Cost.
Oregon street	Dodge street	Muirson street	1,170	\$2,933 00
Oregon street ...	"	Perry street	520	727 00
Pier street	Woodland avenue	Beaver street	790	985 00
Quincy street	Willson avenue	Giddings avenue	8,360	12,176 00
Russell avenue ...	Lexington avenue	Euclid avenue	2,200	6,141 00
Seelye avenue	400 ft. south of Woodland avenue .	Julia street	1,300	3,307 00
Water street	Main street	Superior street	1,530	7,302 00
Woodland and Lincoln avenues	East Madison avenue	800 ft. west of Woodland avenue ..	1,800	2,066 00
Total length and estimated cost			38,771	\$127,198 35
Total miles			6.39	

TABLE No. 9.
STREETS ON WHICH SIDEWALK GRADES HAVE BEEN
GIVEN.

NAME OF STREET.	LENGTH IN FEET.
Bailey street.....	2,612
Bergin street.....	1,520
Brock street.....	710
Buhrer avenue.....	8,820
Calvert street.....	1,654
Clark avenue.....	4,815
Cleve street.....	562
Custead avenue	8,970
Dare street.....	1,474
Florence street	570
Forest street.....	8,242
Griswold street	1,280
Guernsey street.....	1,200
Haight street.....	1,824
Hayward street.....	1,800
Herschel street	8,780
Higgins street.....	8,120
Holmden street.. ..	8,980
Lawrence street	1,620
Lexington avenue.....	140
Louis street	8,050
Milford street	5,176
Mill street	8,240
McKinstry street	920
Morse avenue.....	1,580
Orange street	8,090
Oregon street	1,080
Payne avenue	807
Pear street	1,960
Pier street.....	1,500
Quincy street	8,520
Scranton avenue.....	10,500

Sterling avenue.....	4,810
Walton avenue.....	1,000
Warden street.....	1,100
Waring street.....	140
Willcutt avenue.....	1,520
Worley street.....	396
<hr/>	
Total feet.....	87,582
Total miles.....	16.47

TABLE No. 10.
STREETS UPON WHICH LEVELS HAVE BEEN RUN, OR CROSS SECTIONS TAKEN, DURING 1883.

Name of Street.	From	To	Length in Feet.	Work Done.
Abram.....	Rowley street.....	Branch avenue.....	2,257	C. S.
Ackley avenue.....	Broadway.....	Fleet street.....	2,827	"
Avery.....	Lester street.....	North end.....	854	"
Arlington.....	Cedar avenue.....	Garden street	1,406	"
Back	Queen street	Barber avenue.....	429	"
Brownell.....	Scovill avenue	Woodland avenue.....	912	"
Cowan	Fowler street	McBride street.....	408	"
Coleman alley	Iris alley.....	End	645	"
Central Way.....	Bridge approaches .....	.....	488	"
Coe	St. Clair street.....	Lake street.....	1,010	"
Chestnut Ridge.....	Lorain street.....	W. Madison avenue.....	1,435	"
Consul	Gallup street.....	Wheatland street... ..	814	Levels.
Church.....	Pearl street.....	State street.....	1,017	C. S.
Canal.....	Ontario street.....	Ohio street.....	1,706	Levels.

TABLE No. 10—Continued.

Name of Street.	From	To	Length in Feet.	Work Done.
Crowell.....	Leon street	E. Madison avenue.....	315	Levels.
Decatur alley.....	Ohio street	East end	1,675	C. S.
Duane	Franklin avenue	Woodbine street.....	849	"
Dexter Place	Clinton street.....	Franklin place... ..	886	"
Emerald alley	Muirson street.....	Dodge street	1,491	Levels.
Euclid avenue	N. Perry street	Case avenue	4,805	C. S.
Francis	Tod street.....	Willson avenue.....	1,626	"
Fowler	Broadway... ..	N. Y. P. & O. R'y.....	1,148	Levels.
Frease avenue	Balley street.....	Burton street	1,828	C. S.
Fremont.....	Brecksville road	Skinner street.....	2,983	"
Foreman	Tod street.....	Ledyard street.....	1,261	"
Gallup.....	Union	Regent street.....	1,563	Levels.
Greenwood	Woodland avenue	Garden street.....	1,892	C. S.
Garden.....	Willson avenue.....	Lincoln avenue	5,978	"
Hamlet	Broadway.....	Adolph street.....	1,810	Levels.

TABLE No. 10—Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Hinde	Broadway.....	Tod street.....	566	C. S.
Halten avenue	E. Madison avenue	Herald street	882	Levels.
Hanover	Detroit street.....	Franklin place... ..	968	C. S.
Hayward.....	Prospect street	Cedar avenue.....	806	"
Hamilton	Kirtland street.	Marquette street.....	1,861	"
Howard	Broadway.....	Woodland Hills avenue.....	1,681	"
Hector	Fowler street	McBride street.....	415	Levels.
High Bridge route.....	Scranton avenue... ..	Jennings avenue.....	1,181	"
"	Huron street	Scranton avenue.....	604	"
"	Central Way.....	Merchants avenue	2,629	"
"	Ontario street.....	Cliff street.....	3,588	"
"	Scranton avenue... ..	Bradford street.....	680	"
"	Jennings avenue.....	Tracy street.....	2,000	"
"	Martin street	Praha street	845	"
"	Scranton avenue	Bradford street.....	414	"

TABLE No. 10—Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Independence.....	Broadway.....	Valley R'y	1,409	C. S.
"	Fleet street.....	1,180 ft. north of May street.....	4,172	Levels.
Infirmary Farm road.....	.....	.....	1,850	"
Jones avenue	Harvard street.....	Broadway.....	1,283	C. S.
Jessie	Cedar avenue.....	Garden street.....	1,510	Levels.
Kane	Bailey street.....	Frease avenue	1,080	C. S.
Kingsbury Run bridge.....	Broadway	Croton street.....	2,996	"
"	"	Jackson street.....	4,175	"
Kentucky	Detroit street.....	Bridge street.....	2,145	"
Louisa Place.....	Philip street	End	121	"
Leon	Holton street.....	Top of bank.....	896	"
Ledyard.....	Broadway.....	Fleet street	1,012	Levels.
Louis.....	Clark avenue	City limits	2,700	"
McBride	Broadway.....	N. Y. P. & O. R'y.....	1,224	C. S.
McConnell	Miles avenue	Broadway.....	1,873	"

TABLE No. 10--Continued.

Name of street.	From	To	Length in Feet.	Work Done.
Nursery.....	Praha street.....	Berann street.....	427	C. S.
Orange.....	Mayflower street.....	Case avenue.....	2,346	"
Philip.....	Praha street.....	Sawtell avenue.....	841	"
Praha.....	Nursery street.....	Alley.....	881	"
Pear.....	Gordon avenue.....	City limits.....	885	"
Payne avenue.....	Perry street.....	Willson avenue.....	7,384	"
Parkman lane.....	Brownell street.....	Erie street.....	1,141	"
Portage.....	Broadway.....	Adolph street.....	1,448	"
Parkman.....	Erie street.....	Brownell street.....	1,161	"
Perkins avenue.....	Sterling avenue.....	East end.....	488	"
Regent.....	Adolph street.....	Consul street.....	1,938	Levels.
Railway.....	Literary street.....	Central Way.....	678	C. S.
Steinway.....	Woodland avenue.....	Woodland Hills avenue.....	1,845	"
Sewer route.....	Eighteenth Ward.....	.....	1,763	Levels.
Sterling avenue.....	Superior street.....	Euclid avenue.....	2,970	"

TABLE No. 10—Concluded.

Name of street.	From	To	Length in Feet.	Work Done.
Siegel street.....	Superior street	Perkins street.....	2,011	Levels.
Schleley court.....	E. Prospect street.....	End	627	"
Tod	Fremont street.....	Top of bank.....	2,856	C. S.
Warden	Pearl street	End	565	Levels.
Webster.....	Erle street.....	Brownell street.....	1,163	C. S.
Waverly avenue.....	Lorain street.....	C. C. C. & I. R'y.....	1,673	Levels.
Water.....	Superior street.....	St. Clair street.....	651	C. S.
Total miles.....			124,419	
Total.....			23,534	

TABLE No. 11.
GRADES ESTABLISHED DURING 1883.

Name of Street.	From.	To.	Length.	When Established
Alum	Lorain street.....	Clark avenue.....	2,044	January 29.
Arlington	Cedar avenue.....	Garden street	1 406	March 26.
Abram	Rowley street.....	Branch avenue.....	2,257	May 21.
Brownell	Scovill avenue.....	Woodland avenue.....	912	May 21.
Brooker	Quincy street.....	Cedar avenue.....	2,430	June 4.
Chestnut Ridge	Lorain street.....	Guthrie street.....	1,265	August 6.
Duane	Franklin avenue. .	Woodbine street.....	849	July 23.
Dexter Place	Clinton street.....	Franklin Place.....	386	January 22.
East Clark avenue	Petric street.....	Cuyahoga river.....	3,100	August 13.
Fulton Court	Fulton street	Franklin Court.....	398	January 15.
Frease	Bailey street.....	Burton street... ..	1,323	July 9.
Fowler	Broadway	N. Y. P. & O. Ry.....	1,148	July 9.
Gauge	Train street	South of Newark street...	1,966	February 12.
Giddings avenue	Woodland avenue.....	Quincy street	1,845	November 12.
Hanover	Detroit street	Franklin Place....	938	June 18.

TABLE No. 11.—Continued.

Name of Street.	From.	To.	Length.	When Established
Hector.....	Fowler street.....	McBride street.....	415	August 6.
Hayward.....	Prospect street.....	Garden street.....	1,730	August 6.
Holmden avenue.....	Pearl street.....	Jennings avenue.....	2,350	August 27.
Independence.....	Fleet street	North of May street.....	4,172	August 6.
Jessie.....	Cedar avenue.....	Garden street.....	1,510	August 6.
Julia.....	Sawtell avenue.....	Willson avenue.....	839	August 20.
Kane.....	Bailey street.....	Frease avenue.....	1,080	August 6.
Louis.....	Clark avenue.....	City Limits.....	2,700	October 29.
Morse	Euclid avenue.....	East Prospect street.....	790	May 21.
Orange	Mayflower street	Case avenue	2,346	August 20.
Purdy.....	Lorain street.....	Southerly.....	750	March 5.
Petrie.....	Broadway.....	Connotton Valley Ry.....	3,830	April 9.
Parkman Lane.....	Brownell street.....	Erie street.....	1,141	August 20.
Phillip.....	Praha street.....	Sawtell avenue.....	841	December 10.
Rose alley.....	St. Clair street.....	Northerly.....	196	March 5.
Russell avenue.....	Superior street.....	Euclid avenue.....	5,355	May 21.

TABLE No. 11.—Concluded.

Name of Street.	From.	To	Length.	When Established
Smith avenue.....	Broadway.....	North end.....	490	March 5.
Sterling avenue	Superior street.....	Euclid avenue.....	2,970	May 21.
Sligel.....	Superior street.....	Perkins avenue.....	2,011	May 21.
Sawtell avenue.....	N. Y. P. & O. Ry.....	Willson avenue	1,520	August 20.
Scranton avenue.....	Clark avenue	City Limits ..	2,745	August 20.
Waverly avenue.....	Detroit street	Lake Erie	2,480	January 15.
Wallingford Court.....	Woodland avenue.	Southerly.....	984	August 20.
Webster.....	Brownell street.....	Erie street	1,163	August 20.
Total feet.....			66,175	
Total miles.....			12.533	

TABLE No. 12.
STREET IMPROVEMENTS, FOR WHICH APPROXIMATE ESTIMATES HAVE BEEN MADE IN ORDER TO
ASSESS THE TAX, (NOT INCLUDING THE VARIOUS PROPOSED BRIDGES.)

Name of Street.	From	To	Proposed Improvement.	Approx. Cost.
Abram.....	Mentor avenue.....	Rowley street.....	Grade.....	\$242 50
Ackley avenue	Broadway	Fleet street	"	11,857 50
Ash . . . . .	.....	.....	" .....	467 16
Bond	Superior street.....	Euclid avenue	Pave.....	8,097 06
Birch.....	Detroit street.....	Franklin avenue....	Curb and gravel.....	956 25
Brooker.....	Quincy street	Cedar avenue	Grade.....	949 50
Colman alley.....	Middle street.....	Sheriff street.....	"	68 00
Charles.....	Scovill avenue.....	Woodland avenue	Curb.....	606 93
Chestnut Ridge....	Lorain street.....	Guthrie street	Grade	812 40
Cedar avenue.....	Fairmount street	Doan brook	McAdam ...	8,059 00
- " "	"	"	Pave	2,323 00
"	Perry street.....	Case avenue	"	39,507 80
Decatur alley.....	Cross street	East end	"	3,084 77
Duane	Franklin avenue....	Woodbine street...	Grade.....	241 10

TABLE No. 12—Continued.

Name of Street.	From	To	Proposed Improvement.	Approx. Cost.
E. River.....	Superior street	St. Clair street.....	Repave.....	\$1,187 10
Fulton Court.....	Fulton street....	Franklin court.....	Grade.....	68 00
Frease Avenue.....	Bailey street	Palm street	"	814 84
Garden.....	Willson avenue.....	Lincoln avenue.....	Grade and curb.....	5,840 45
"	Brownell street.....	Willson avenue.....	Repave.....	40,287 22
Hanover.....	Detroit street.....	Franklin avenue.....	Grade, gravel and curb	2,761 67
Hayward.....	Prospect street....	Cedar avenue	Grade and curb.....	947 57
Harvard	Broadway	Woodland Hills avenue.....	Grade, curb and cinder	4,237 17
Independence.....	"	Valley R's switch.....	Grade and pave.....	15,792 55
Jones.....	"	Harvard street	Grade and curb.....	1,644 94
Jessie.....	Garden street.....	Cedar avenue.....	Grade	532 15
Kane.....	Bailey street.....	412 ft. south	"	180 59
Krause alley.....	Intersection at St Clair street ..	.....	Pave	114 65
Liberty.....	Detroit street.....	Bridge street.....	Curb	1,208 49
Osborn.....	Garden street.....	Scovill avenue	Grade and gravel.....	650 55
Parkman.....	Erie street	Brownell street.....	Pave	8,567 60

TABLE No. 12—Concluded.

Name of Street.	Proposed improvement.	Approx. Cost.
Purdy	do	\$211 53
Parkman lane.....	.....	815 80
Palm .....	.....	555 74
Petrie .....	.....	4,304 74
" .....	.....	15,423 53
Railway	do and pave....	7,447 94
Scovill avenue.....	Pave.....	27,313 53
"	"	18,003 04
"	Curb	1,179 20
Smith	Grade	279 17
Total approximate cost		\$227,545 27

TABLE No. 13.
SHOWING ORDINANCES THAT HAVE BEEN PASSED TO ASSESS A TAX FOR MAKING THE FOLLOW-
ING IMPROVEMENTS:

Name of Street.	From.	To.	Proposed Improvement.
Abbey.....	Front of No. 584.....	.....	Sidewalks.
Aust.....	Pearl street.....	Hanover street..	Grade.
Auburn.....	Pearl street.....	Scranton avenue.....	Sidewalks.
Barber avenue.....	Scranton avenue.....	Hitchcock street.....	Sidewalks.
Bank.....	Front of Nos. 24 and 26.....	.....	Sidewalks.
Berg	Commercial street.....	Cross street.....	Sewer.
Bergen.....	Clark avenue.....	Train street.....	Sidewalks.
Belmont ...	Orange street.....	Croton street.....	Sewer.
Bright.....	St. Clair street... ..	Lake street.....	Grade and curb.
Bridge.....	Randall street.....	Fulton street.....	Sewer.
Burwell	Caso avenue.....	East line 10 acre lot No. 15.....	Grade.
Bridge	Front of No. 127.....	.....	Sidewalks.
Broadway.....	N. Y. P. & O. Ry.....	Union street.....	Sidewalks.
Branch avenue.....	Jennings avenue.....	Scranton avenue	Sidewalks.

TABLE No. 13—Continued.

Name of Street.	From.	To.	Proposed Improvement.
Brooklyn	Clark avenue	Meyer avenue.. ..	Sidewalks.
Brooker avenue	Quincy street	Cedar avenue	Grade.
Brooker avenue	Garden street	800 feet north	Sewer.
Brock	Lorain street	Bradford street	Sidewalks.
Broadway	1,800 feet south of Kingsbury Run.	Union street	Sewer.
Chestnut Ridge	Lorain street	Guthrie street	Grade.
Chestnut	West line of original lot No. 74	220 ft. west of Dodge st.	Sewer.
Charles	Scovill avenue	Woodland avenue... ..	Curb.
Coleman alley.	Sheriff street	Middle street	Grade.
Clark avenue	Jennings avenue	Scranton avenue	Sidewalks.
Columbus	Willey street	Pearl street	Sidewalks.
Colgate	Gordon avenue... ..	City limits... ..	Grade.
Cuyahoga River .....	.....	.....	Dredge.
Detroit	Hanover street	Kentucky street	Sidewalks.
Delaware	Superior street	St. Clair street	Sidewalks.
Dillie	Broadway	Warren street	Sidewalks.

TABLE No. 13—Continued.

Name of Street.	From.	To.	Proposed Improvement.
Dodge	Front of Nos. 54 and 59.....	.....	Sidewalks.
Duane	Detroit street.....	Franklin Place.....	Curb and grade.
Duane	Franklin avenue.....	Woodbine street.....	Grade.
Duane	South east corner of Detroit st....	.....	Sidewalks.
Erie	Front of No. 97 .....	.....	Sidewalks.
Fairfield	Jennings avenue.....	Pelton avenue	Sewer.
Fairfield	Jennings avenue	Seranton avenue.....	Sidewalks.
Forest	Broadway	Woodland avenue.....	Sidewalks.
Franklin avenue	Birch street.....	Dare street.....	Sewer.
Franklin avenue.....	Dare street.....	Waverly avenue.....	Sewer.
Greenwood	Garden street.....	Woodland avenue.....	Grade and curb.
Grant	Garden strret.....	Cedar avenue.....	Sidewalks.
Hamilton	Dodge... ..	Ross street	Sewer.
Hamilton	Alabama street.....	Ross street	Sewer.
Hayward.....	Cedar avenue	Garden street.....	Sidewalks.
Hayward	Cedar avenue	Prospect street.....	Grade and curb.

TABLE No. 13—Continued.

Name of Street.	Proposed Improvement.
Harvard	Grade, curb and sidewalk.
Hanover	Grade and curb.
Iona	Sidewalk.
Isabella	Sidewalk.
Jessie	Grade.
Jefferson	Sidewalk.
Jennings avenue	Curb.
Jerome alley.	Curb.
Kentucky	Ave.
Kentucky	Grade and curb.
Lake.....	Sidewalk.
Lawn	Grade.
Liberty	Curb.
Louis	Sidewalk.
Mentor avenue....	Sidewalk.
McBride	Grade.

TABLE No. 13—Continued.

Name of Street.	From.	To.	Proposed Improvement.
McLean.....	Lorain.....	Mason alley.....	Sidewalks.
Minnesota.....	St. Clair street.....	Superior street.....	Sewer.
Noble.....	Seneca street.....	Ontario street.....	Pave.
North Woodland avenue.....	Woodland avenue.....	Congress street.....	Grade and culvert.
Ontario.....	St. Clair street.....	Rockwell street.....	Repave.
Ontario.....	Front of Nos. 22, 24 and 26.....	.....	Sidewalks.
Orange.....	Perry street.....	Mayflower street.....	Sewer.
Orange.....	Mayflower street.....	Humboldt street.....	Sewer.
Osborn.....	Garden street.....	Scovill avenue.....	Grade and gravel.
Park Place.....	St. Clair street.....	Southerly.....	Sidewalks.
Palm.....	Bailey street.....	412 feet south.....	Grade.
Pearl.....	Old car barns.....	City limits.....	Sidewalks.
Pearl.....	Old car barns.....	Walworth Run.....	Lower sidewalks.
Pelton.....	Starkweather avenue.....	Fairfield street.....	Sidewalks.
Pier.....	Woodland avenue.....	Beaver street.....	Sidewalks.
Professor.....	Starkweather avenue.....	Pelton avenue.....	Sidewalks.

TABLE No. 13—Continued.

Name of Street.	From.	To.	Proposed Improvement.
Purdy.....	Loraln street	750 feet south	Grade.
Seymour.....	Pearl street	Rhodes avenue.	Sidewalks.
Seelye avenue	470 ft. south of Woodland avenue.	Julia street.....	Sewer
Seelye avenue.....	Woodland avenue.....	Julia street.....	Sidewalks.
Scranton avenue.....	Seneca street bridge.....	Willey street.....	Sidewalks.
Scovill avenue.....	Willson avenue	Florence street.....	Sidewalks.
Sibley.....t	Sterling avenue.....	870 feet west of Hayward st....	Sewer.
South alley.....	Canfield street	Mulrson street.....	Grade.
Starkweather avenue	Scranton avenue.....	University street	Sidewalks.
Sterling avenue	St. Clair street.....	Superior street.....	Sidewalks.
St. Clair.....	Front of No. 548.....	.....	Sidewalks.
St. Clair.....	At south-east corner of Erie st....	.....	Sidewalks.
St. Clair.....	Front of No. 186.....	.....	Sidewalks.
Superior.....	Monumental square	Erie street.....	Repave.
Tremont.....	College street.....	Starkweather avenue.....	Sidewalks.
Train....	Junction street.....	Clark avenue	Sidewalks.

TABLE No. 13—Concluded.

Name of Street.	From.	To.	Proposed Improvement.
Univercity.....	Jefferson street.....	South street.....	Sidewalks.
Walton.....	Pearl street.....	Scranton avenue.....	Sidewalks.
Wade avenue..	Scranton avenue.....	450 ft. west of Rhodes avenue...	Sidewalks.
Wall.....	Detroit street.....	Church street.....	Grade and curb.
Waverly.....	Lorain street.....	Nos. 431 and 452	Sidewalks.
Willson avenue.....	Euclid avenue.....	St. Clair street.....	Sidewalks.
Willson avenue.....	Euclid avenue.	Woodland avenue....	Paving.
Willey.....	Walworth Run.....	Jennings avenue.....	Sewer.
Willey.....	Tremont street.....	Scranton avenue.....	Sidewalks.

TABLE No. 14.
SURVEYS MADE IN 1883.

NAME.	LENGTH IN FEET.
Kingsbury Run Bridge route, Broadway to Jackson street.....	4,176
Louis street, for encroachments, Clark avenue to City limits.....	2,642
Clark avenue, for proposed widening, Pearl street to Abram street	1,550
Custead avenue, for encroachments, Euclid avenue north	1,080
Willson avenue, from Garden street to Euclid avenue.....	2,860
Cedar avenue, from Bolton avenue to Streater avenue.....	1,650
Alley, between John and Whitman sts., for encroachments, Kentucky street to Harbor street.....	1,029
Woodland Cemetery, lines for new fence on Giddings avenue, Quincy and Cemetery streets.....	5,000
Swiss street, from Lorain street to Clark avenue.....	2,630
Platt street, from Edwards street to Congress street, proposed opening....	1,012
Congress street, from N. Woodland avenue to Platt street, extension.....	826
Broadway, to locate monuments, east of Forest street, for law suit.	
Fulton court, for encroachments, Fulton street to Franklin court.	
Pearl street, location at C. C. C. & I. R. R.	
Proposed alley, from Superior street to Euclid avenue, opposite Sheriff street.	
Spring alley, Third Ward, for encroachments.	
"Furnace street," location of part leased to Foundry Co.	
Vermont street, at Viaduct, for alleged encroachment.	
Alum street, Lorain street to angle for encroachment.	
"Chipman lot," cor. Euclid avenue and Doan street, disputed frontage.	
Central High School lot, lines for new fences.	
School lot, cor. Broadway and Worley street, fence lines.	
New school building on Marion street, location.	
New school building on Dike street, location.	
New school building on Dunham avenue, location.	
New school building on Buhrer avenue, location.	
New school building cor. Bridge and Randall streets, location.	
New school building cor. Fowler and Hector streets, location.	
New school building cor. Lincoln and Platt streets, location.	

TABLE No. 15.
STREET FRONTAGE AND OWNERSHIP MAPS, MADE IN 1888.

Name of Street.	From	To	Length in feet.
Ash.....	Clark avenue.....	Train.....	770
Arch.....	Croton.....	Burwell.....	250
Ackley avenue.....	Broadway.....	Fleet.....	2,740
Avery.....	Lester.....	North end.....	370
Arlington.....	Cedar avenue.....	Garden.....	1,410
Abram.....	Mentor avenue.....	Rowley.....	1,550
Alabama.....	Payne avenue.....	Superior.....	660
Brooker avenue.....	Cedar avenue.....	Quincy.....	2,440
Bond.....	Euclid avenue.....	Superior.....	490
Bond.....	Superior.....	Summit.....	1,680
Buhrer avenue.....	Jennings avenue.....	Scranton avenue.....	1,660
Brownell.....	Scovill avenue.....	Woodland avenue.....	900
Chestnut Ridge.....	Lorain.....	Guthrie.....	1,270
Coleman alley.....	Middle.....	Sheriff.....	220
Charles.....	Scovill avenue.....	Woodland avenue.....	980
Cedar avenue.....	Perry.....	Willson avenue.....	6,040

TABLE No. 15—Continued.

Name of Street.	From	To	Length in feet.
Chestnut.....	Erie	Mulrson.....	660.
Davies	Broad way.....	C. & M. R. R.....	1,200
Dare	Bridge	Lorain	1,200
Duane.....	Franklin avenue.....	Woodbine.....	860
Dexter Place.....	Franklin avenue.....	Clinton.....	388
Frease avenue.....	North of Bailey	Burton	1,450
Francis.	Willson avenue	Tod.....	1,650
Fairmount ..	Euclid avenue.....	City Limits.....	4,880
Fourth avenue ...	Willson avenue.....	Second avenue.....	1,460
Greenwood.	Woodland avenue.....	Garden.....	1,890
Gauge.....	Train.....	South end.....	2,000
Grant	Cedar avenue	Garden.....	1,100
Harvard	Broadway	Woodland Hills avenue.....	1,710
Hamilton.. ..	Canfield	Dodge.....	1,000
Hayward.. ..	Prospect	Cedar avenue.....	800
Hill.. ..	Ohio.....	East end.....	1,810
Johnson.	Bank.....	Water.....	480
Jessie.. ..	Cedar avenue.....	Garden.....	1,500

TABLE No. 15—Continued.

Name of Street.	From	To	Length in feet.
Kelley.....	Case avenue.....	Buckeye	890
Liberty.....	Detroit.....	Bridge	2,150
Morse avenue.....	Euclid avenue.....	East Prospect.....	790
Mable.....	Franklin Court.....	Fulton.....	400
McBride	Broadway.....	Sawtell avenue....	1,180
Mentor avenue.....	Scranton avenue.....	Noyes.....	1,680
Osborn	Scovill avenue.....	Garden.....	1,270
Orange	Case avenue..	Mayflower.....	2,840
Pier	Woodland avenue.....	Beaver.....	750
Palm	Frease avenue.	Bailey	1,150
Purdy.....	Lorain.....	Southerly.....	750
Railway	Literary..	Central Way.....	460
Russell avenue..	Beecher	Superior.....	1,810
Stanton	Giddings avenue.....	East end.....	1,870
Scovill avenue.....	Willson avenue	Cemetery.....	1,900
Smith avenue ...	Broadway.....	North end.....	500
State	Detroit.....	Washington.....	420

TABLE No. 15—Concluded.

Name of Street.	From	To	Length in feet.
Woodland avenue.....	C. & P. R. R.	Corwin avenue.....	8,610
Webster.....	Erie	Brownell.....	1,160
Watkins avenue.....	Cedar avenue.....	East Prospect.....	400
Total feet.....	.....	.....	74,340
Total miles.....	.....	.....	14.188

TABLE No. 16.

MAPS OF SUB-DIVISIONS, ETC., APPROVED BY COUNCIL IN
1883, AND EXAMINED AND REPORTED ON
BY THE ENGINEER.

NAME.	DATE OF APPROVAL.
Amos Townsend's sub-division in original lot 355.....	Feb. 19.
A. M. McGregor's sub-division in original lot 68.....	" 19.
T. T. Seelye's sub-division in ten-acre lot 26.....	Mar. 19.
White Manufacturing Co.'s sub-division in original lot 340.....	" 26.
Julius H. and Clark L. Seelye's sub-division in ten-acre lot 26.....	" 26.
Catharine E. Brainard's sub-division in original lots 67 and 72 ...	April 4.
George Williams' sub-division in ten-acre lots 72 and 73.....	" 9.
Dr. T. T. Seelye's sub-division in ten-acre lot 26.....	" 9.
B. Lied's sub-division in original lot 331.....	May 7.
Caleb Morgan's sub-division in original lot 320.....	June 4.
Lucy A. Pomeroy and Jos. Stanley's sub-division in original lot 282...	" 4.
Anna M. Mehling's sub-division in original lot 68.....	" 11.
W. H. Doan, et al.'s sub-division in original lots 401 and 409....	" 18.
Rachel C. Burke's sub-division in original lot 455.....	" 25.
Caleb and Mary D. Morgan's sub-div. in orig. lots 320, 321, 324 and 325.	July 9.
Catharine Miller's sub-division in original lot 347.....	" 23.
"Seldon Allotment" in original lot 54.....	" 23.
Thomas Dixon's sub-division in original lot 33.....	" 23.
W. H. Doan's sub-division in original lot 409.....	" 23.
Henry and Lorenzo Carter's sub-division in original lots 447 and 448...	" 23.
M. Becker's sub-division in original lot 344.....	" 23.
C. W. Meech's re-survey of Sapp's sub-div. in orig. lots 457 and 458 ...	Aug. 6.
O. M. Stafford's re-allotment of Gallup's sub-div. in orig. lot 322.....	" 27.
C. G. Barkwill Trustees' sub-division in original lots 312 and 318.....	Sept. 3.
Willson and Gardner's sub-division in original lot 301.....	" 3.
Mrs. A. A. Breckenridge's sub-division in original lots 336 and 339....	Oct. 23.
Hurd and Wick's sub-division in original lot 465.....	Nov. 26.
Goldsmith Court dedication in original lot 331.....	" 26.
Chas. Carter's sub-division in original lot 447.....	Dec. 17.
John H. Dolman's sub-division in original lot 408.....	" 31.

TABLE No. 17.
STREETS NUMBERED IN 1883, PER MAPS OF ENGINEER.

Name of Street.	From.	To.	Length in Feet.
Abram	Branch avenue	Rowley street	2,260
Broadway	Eagle street	Woodland Hills avenue	28,900
Case avenue	Lake Erie	Croton street	18,050
Castle avenue	Scranton avenue	Noyes street	1,790
Church	Pearl street	Duane street	1,640
Dare	Detroit street	Ravine street	4,020
Euclid avenue	Monumental Square	Erie street	1,450
Fourth avenue	Willson avenue	Second avenue	1,480
Hawthorne avenue	Willson avenue	Second avenue	1,740
Hanover	Old River Bed	Franklin Place	2,780
Harbor	Franklin avenue	Ravine street	4,800
Kinkel	Scranton avenue	Pearl street	660
Leonard	Center street	Girard street	1,680
Mabel	Fulton street	Franklin Court	400
Mechanic	Lorain street	Bailey street	1,400

TABLE No. 17—Concluded.

Name of Street	From.	To.	Length in Feet.
Newell.....	Branch avenue	Rowley street	2,260
Noyes	Branch avenue.....	Rowley street.....	2,220
Olive	Curtiss avenue	Euclid avenue.....	820
Orange.....	Broadway	Case avenue.....	6,620
Outwaite avenue.....	Kennard street.....	Cemetery street.....	3,160
Prame	Scranton avenue.....	Pearl street.....	640
Seelye avenue.....	Woodland avenue.....	Julia street.....	1,920
Second avenue.....	Cedar avenue.....	Garden street....	1,800
Winter	Columbus street	Leonard street.....	480
Woodland Court.....	Woodland avenue.....	South end.....	940
West Clinton.....	Waverly avenue.....	Gordon avenue.....	1,090
Walton avenue.....	Scranton avenue.....	Pollock street.....	3,780
Total feet.....			91,280
Total miles.....			17.167

TABLE No. 18.
GAS AND FLUID STREET LAMPS CHARGED TO CITY,
JANUARY 1, 1884.

Ward.	Gas.	Fluid.
First	185	38
Second.....	39	1
Third.....	52	0
Fourth.	219	7
Fifth	209	22
Sixth.....	629	1
Seventh.....	153	242
Fourteenth.....	158	124
Fifteenth	186	176
Sixteenth	247	62
Seventeenth ...	209	56
Eighteenth.....	183	92
Total east of Cuyahoga River	2,479	821
Elighth.....	168	54
Ninth.	209	16
Tenth.....	206	67
Eleventh	182	144
Twelfth	152	241
Thirteenth	196	151
Total west of Cuyahoga River.....	1,173	673
Total in city.....	3,652	1,494
Increase in city since January 1, 1883.....	146	156

ANNUAL REPORT

OF THE

STREET COMMISSIONER

OF THE

CITY OF CLEVELAND,

FOR THE

YEAR ENDING DECEMBER 31, 1883.

REPORT OF THE STREET COMMISSIONER.

To the Honorable Board of Improvements :

GENTLEMEN:—The undersigned herewith submits the annual report of the Street Department for the year ending December 31st, 1883.

The tables accompanying this report will show the different classes of work and amount done on each street. The tables will also give a detailed account of all work done on paved and unpaved streets, sewers, catch-basins, culverts, bridges and crosswalks, under charge of the Department; the lumber, stone and hardware used, also miscellaneous bills and salaries of officers.

The repairs to pavements done under the supervision of this Department have been a heavy item of expense, although a large amount has been repaid the city on account of work done for private parties who received permits to open streets.

The replacing of worn out box gutters has been to a great extent discontinued and gutters have been paved with stone, a policy which should be continued.

The outlying wards have had proper attention according to the means at the disposal of this Department; and in order to give them proper recognition this coming year the economy practised on our paved streets will have to be continued, to keep within the very limited amount appropriated to Street Fund.

This report shows the very large amount expended on repairing wood pavement, and an equally large sum will be required this year unless immediate steps are taken to replace the wood by stone pavements.

There has been considerable outlay during the year, extra expense incurred by washouts on Herschell and Scranton avenues, and building culverts on Euclid avenue and Brookfield streets. These four items alone amounted to eighteen hundred and eighty dollars. Expenses also have been incurred by laying crosswalks; although much of the stone used for this purpose was removed from other streets, having been replaced by Medina stone. This year also there will be greater expense laying crosswalks, as many sidewalks have been laid with stone, and where the property owners have complied with the ordinance, in such case made and provided, it gives them the right to require the city to complete the work by laying stone crosswalks.

The contract prices under which street cleaning and repairs have been done are as follows:

Contractor.....	M. Carroll.	A.R. Jewett	S. Be'kwith	S. Be'kwith
Section.....	1	2	3	4
Paved streets.....	\$22 00	\$30 00	\$26 00	\$28 00
Unpaved streets.....	21 00	25 00	25 00	27 00
Alleys.....	7 00	10 00	1 00	1 00
Spring cleanings	31 00	60 00	10 00	10 00
Com. labor.....	1 50	1 50	1 50	1 50
Team labor.....	3 50	4 00	3 50	3 50
Excavation.....	23	25	20	20
Earth filling.....	20	30	20	20
Gravel.....	33	45	50	40
Brk. stone.....	58	60	50	50
Blk. stone.....	33	25	40	30
Furnace cinder.....	40	70	40	45
Cleaning crosswalks	4½	4½	7	8

The catch-basins of the city were contracted for fourteen months at \$2,545.00.

The semi-monthly estimates of the market grounds were made by this Department, although paid from Market fund. The contract price was for fourteen and one-half months, \$895.00.

The streets of the city have been cleaned by contract, an unsatisfactory method, and while it may be economy to clean paved streets by contract, in the cleaning of dirt streets it is certainly a failure, as the repairs differ not only in the different streets, but in different parts of the same street. Under the circumstances no general specifications can be drawn which would render the contract system satisfactory.

The aggregate length of paved streets in the city is about 55 2-10 miles, which is a very small amount of pavement if we consider the area covered by the city limits. It would be advantageous and economical to the property owners and the public, to pave the streets in the business portion of the city.

There are about three hundred and eighty miles of unpaved streets, which claim our attention and have (as far as possible) received it, and work done thereon will compare favorably with past years. There are a number of streets the present condition of which requires attention; whether they are accepted streets or not I do not know, hence am unable to tell if it be the duty of the city to perform any work thereon.

According to the Auditor's statement the ordinary expenses of the fiscal year, 1883, were \$83,816.62, including \$3,625.95 not expended by Street Commissioner, which leaves \$80,190.67. Deducting \$1,730.16, the difference in bills of December 1882 and December, 1883, leaves \$78,460.51 add to this \$3,810.27, ten per cent. of work done by contract less \$46.09, which has been paid to contractor, a balance is had of \$82,270.78 ordinary expenses under charge of Street Commissioner. Of this amount \$9,022.72 were collected for street repairs, etc., making net expense under Street Commissioner \$73,248.06. After a careful perusal of the appended tables any unbiased judgment is that the fund of this Department has been expended

as judiciously and economically as possible, in order to do justice to the taxpayers, scattered over a territory embracing nearly four hundred and fifty miles of streets.

It is with no little satisfaction that I mention the fact that there have been no liabilities against the city, arising from negligence of the employes of this Department. The credit of this is due greatly to the efficiency of Assistant Street Commissioner William Cochran; the superintendent of paving repairs, W. A. Harvey; superintendent of catch-basins, P. W. O'Reilly, and all street superintendents and inspectors, all of whom have filled their respective positions with credit to themselves and credit to the Department. Deserving of special mention is Mr. E. L. Doran, clerk of this Department, on whose ability and assiduity, honesty and intelligence a great deal of the welfare of the Department rests; and who is at present the lowest remunerated employe of responsibility in the Street Department.

A detailed statement of all work performed will be found by referring to the following tables:

Table No. 1—Gives all work on paved streets, except filling.

" " 2—Gives Street Commissioner's work on unpaved streets.

Table No. 3—Gives work on unpaved streets by contract and filling paved streets.

Table No. 4—Gives work on sewers.

" " 5—Gives work on culverts.

" " 6—Gives work on crosswalks.

" " 7—Gives work on catch basins.

" " 8—Gives work on box gutters.

" " 9—Gives work on sheathing bridges.

" " 10—Gives work on hardware, lumber and stone accounts

Table No. 11—Gives miscellaneous bills.

" " 12—Gives salaries of officers.

" " 13—Gives summary.

" " 14—Gives inventory.

All of which is herewith respectfully submitted.

FRANK BUETTNER,

Street Commissioner.

8 10
35 50
19 50
8 00
16 00
5 10
1
908
909
910
Stone
Columbus and Center
Central way and Herschell
Literary.

Leonard.	Columbus and Center.	Stone	908	908	1	5 16	.....	3 00	.....	.....	8 16
Literary.	Central way and Herschell.	"	910	.....	.....	.....	.....	16 00	19 50	.....	85 50
			.....	.....	4	24 00	16 00	22 27	.....	9 44	112 12

Nabla		5 00		5 00	
Trumbull avenue	38 50	32 18	65 68	12 00	6 26
Turney avenue	12 00		12 00		
Taylor alley	6 26		6 26		

[illegible]

	9 25	9	3 42							8 00				
Hanover.....										12 67				
Hartford.....		3	1 14							1 14				
Howard.....	3 00					27	10 80			18 80				
Iona.....	3 00			19 1/2	6 44			6	3 48	12 92				
Jennings.....		433 1/2	164 73	685	137 00					301 73				
Junction.....	3 25									3 25				
Jefferson.....		229 1/2	87 21	18	5 94	79	81 60			124 75				
Jersey Washington.....	19 30	37 1/2	14 25			1	1 60			14 95 51 10				
Wall.....	22 75									22 75				
Willett.....	3 00									3 00				
Walton avenue.....	19 12									19 12				
Waverly alley.....	7 13									7 13				
Waverly.....		102 1/2	38 95							38 95				
York.....	3 00	31 1/2	11 97							14 97				
Opening gutters on 138 streets at a cost of.....										589 00				
31,81 1/2 miles unpaved at a cost of.....										651 30				
6012 crosswalks cleaned at a cost of.....										270 52				
17 miles of alleys cleaned at a cost of.....										119 00				
	\$1,108 85	3,980 1/2	\$1512 67	2,472	\$494 40	445	\$146 85	802	\$120 80	131	\$75 98	875	\$86 25	\$5,175 62

SHOWING COST OF CLEANING, AND THE CHARACTER AND COST OF ALL REPAIRS TO UNPAVED

[illegible]

TABLE No. 3.—Continued.

	GRAVEL.	EARTH FILL'G.	BL'K CINDER.	FURNACE	
Sawyer.....			70	21 00	21 00
Trumbull..	4	1 60	401	80 20	90 80
Turney avenue.....					6 00
Union			298	87 90	490 40
Victor					15 00
Warren.....	25	10 00	45	9 00	40 00
Woodland avenue			35	10 50	10 50
Woodland Hills avenue			400	122 70	151 06
Worley			33	9 90	9 90
Willson avenue	17	6 80		16	14 00
Warner road.....					44 75
Open'g gutters on 19 streets at a cost of					253 75
1,149 crosswalks cleaned at a cost of					91 92
82 ¹ / ₁₀₀ miles unpav'd cleaned at a cost of					240 70
	\$1,695 99	530	\$212 00	741	\$148 20
			2,043 ¹ / ₂	2661 ¹ / ₂	\$1197 67
					\$4,453 28

TABLE No. 4.
REPAIRING SEWERS.

STREETS.	AMOUNT.
Clinton	\$ 8 70
Clinton, between Duane and State	188 40
Canfield, at St. Clair	14 50
Columbus, at bridge, box flume	181 80
Clifton, at Payne avenue	8 25
Columbus, on the hill	47 28
Dodge, at 196	73 15
Euclid avenue	14 68
Euclid avenue, at Erie	8 00
Front, at Water	20 25
Harvard	9 75
Henry, at Scovill avenue	26 17
Michigan	6 25
Michigan, at 57	5 00
Mulberry, at Main	10 00
Noble alley	13 15
Orange	14 00
Ontario	9 15
Prospect	14 05
Rhodes avenue, at Walton avenue	19 50
Rockwell, rear of Post-office	184 75
Scranton avenue, between N. Y. P. & O. R'y and Carter	17 50
Scranton avenue, between Fairfield and Jennings avenue	8 00
Sibley, at 378	8 70
Sycamore	93 25
Superior, between Huntington and Perry	17 25
Second avenue	32 00
St. Clair and Hoadly	12 00
St. Clair	14 25
Whitman and Woodbine	12 25
Woodbine and Fulton	9 75
Walworth Run, flume	654 08
Total	\$1,655 00

TABLE No. 5.

SHOWING COST OF BUILDING AND REPAIRS TO CULVERTS
DURING THE YEAR.

STREETS.	AMOUNT.
Herald, at N. Y. P. & O. R'y	\$ 14 00
Brookfield at Euclid avenue	206 25
Ansel avenue, at Smith & Hoffman's.....	184 85
Leopold	22 93
Union, near limits	67 75
Brookfield	75 89
Total	<u>\$571 67</u>

TABLE No. 6.

REPAIRS TO CROSSWALKS NOT ENUMERATED IN TABLE No. 2.

STREETS.	AMOUNT.
Hayward and Cedar avenue.....	\$ 4 50
Merwin and Center.....	9 00
Watkins avenue.....	9 00
Total	<u>\$22 50</u>

TABLE NO. 7.

SHOWING COST OF CLEANING AND REPAIRS TO CATCH
BASINS NOT ENUMERATED IN TABLE NO. 2.

STREETS.	AMOUNT.
Repairs—	
Ansel avenue and Superior.....	\$99 17
Bolivar and Erie.....	5 00
Doan.....	13 50
Dodge and Payne avenue	33 50
Euclid avenue.....	10 05
Eagle and Sheriff.....	2 00
East Prospect and Lincoln avenue.....	10 25

STREET COMMISSIONER'S REPORT.

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East Prospect, 3 basins.....	25 25
Harbor and Old River	86 50
Herald, north of Kinsman.....	4 50
Kinsman, at railroad.....	14 00
Mulberry and Main, 8 basins.....	45 00
Mulberry and Spruce, 8 basins.	52 75
Main and Sycamore, 8 basins	28 88
Main and West River, 2 basins.. ..	24 25
Ontario and Square	29 50
Payne avenue and Muirson... ..	11 30
Root and Bridge.....	2 00
Seneca and Champlain.....	12 62
Seneca and Canal.....	22 75
Superior and Clifton.....	4 25
Third avenue.....	8 00
Water and Superior.....	81 76
Windsor, between Case avenue and railroad.....	19 38
Webster and Brownell.....	7 25
Washington and St. Paul.....	8 25
Total.....	\$551 11
Cleaning—	
By contract.....	\$2,205 57
Extra cleaning, per bills	86 00
Total.....	\$2,792 78

TABLE No. 8.

SHOWING COST OF BUILDING AND REPAIRING BOX
GUTTERS DURING THE YEAR, NOT ENUMERATED
IN TABLE No. 2.

STREETS.	AMOUNT.
Ansel avenue.....	\$18 00
Abram, at Branch.....	18 75
Dike, north of Broadway.....	18 00
Hayward and Sibley.....	9 00
Jerry and Newell.....	27 00
Jerry and Abram.....	9 75

Judd and Marion.....	18 50
Newell and Branch.....	14 00
Sawtell avenue at N. Y. P. & O. R. R.....	29 50
Sterling avenue and Sibley.....	11 25
Willson avenue, south of Nickel Plate.....	9 25
Total.....	\$178 00

TABLE No. 9.

SHOWING COST OF LABOR SHEATHING BRIDGES DURING
THE YEAR.

BRIDGES.	AMOUNT.
Center street	\$ 14 63
Canal street.....	4 87
Columbus street.....	9 75
Jefferson street	39 00
Lower Central Way.....	17 50
Miles avenue.....	88 25
Main street.....	14 62
Pearl street.....	1 69
Swiss street.....	19 50
South Water street.....	4 88
Seneca street.....	58 50
Walworth Run.....	25 00
Willow street.....	9 75
Warner Road.....	16 00
Total.....	\$278 94

TABLE No. 10.

LUMBER, STONE AND HARDWARE ACCOUNT.

Hardware,nails, etc.....	\$417 42
Stone.....	191 62
Lumber.....	1,826 19
Total.....	\$2,435 23

TABLE No. 11.
MISCELLANEOUS BILLS.

City Yard Janitor	\$469 50
Building platform at City Hall	10 50
Sign boards.....	7 25
Catch basin top	2 50
Sewer materials.....	89 76
Repairing chairs	9 00
Repairs on streets	200 25
Pitch.....	2 50
Coal.....	11 75
Sharpening picks.....	209 83
Stationery.....	70 54
Street car tickets.....	80 00
Ice.....	18 25
Lanterns	18 10
Brick.....	47 80
Postage stamps.....	5 00
Keys.....	60
Badges for inspectors.....	11 00
Cleveland Telephone Company.....	20 00
Repairs on Center street.....	385 59
Steel brooms	2 75
Total.....	\$1,616 47

TABLE No. 12.
SALARIES OF OFFICERS.

Street Commissioner.....	\$2,500 00
Assistant street Commissioner.....	1,007 26
Superintendent of Catch Basins	980 00
Superintendent of Repairs	1,035 00
Superintendent of Streets	1,750 00
Inspector of Streets	1,859 06
Clerk.....	720 00
Total ...	\$9,801 32

TABLE No. 14.
INVENTORY.

Atlas.....	2
Augurs.....	3
Blackboard.....	1
Brooms.....	5
Badges.....	12
Barrows (stone).....	1
Barrows.....	4
Brick.....	200
Chairs.....	12
Crowbars.....	10
Couplings.....	12
Desks (office).....	6
Grindstones.....	2
Hose (sections) ...	12
Hatchets.....	10
Hand ax.....	1
Hammers (stone).....	3
Hammer.....	1
Inkstands.....	4
Iron pins.....	9
Iron crosswalks.....	25
Lanterns.....	17
Lines (gutter).....	3
Lines (chalk).....	1
Lumber (siding)..... feet.....	16
Lumber (sheathing)..... "	40
Lumber (timber)..... "	70
Lumber (plank).....	16
Mirror.....	1
Map of Cleveland.....	1
Mop.....	1
Mattocks.....	2
Mauls.....	2
Monkey wrench.....	1

Nails	kegs.....	2
Nozzles (brass)		1
Nozzles (leather)		1
Oil cans		4
Old iron	lbs.....	2,500
Pails		2
Paper weight		1
Picks		15
Pulleys		8
Pounders		6
Padlocks		2
Pump		1
Rules		2
Rakes		4
Stoves		2
Spittoons		4
Shovels		4
Stone (chisel)		1
Stone	perches.....	8
Stone (gutter)	cords.....	18
Stone (paving) ..	"	8
Stone (chips)	"	4
Stone (crosswalk)	feet ...	400
Stone (curbing)	"	210
Shingles		500
Sprinkling pot		1
Towels		5
Tongs		1
Tamping bars		4
Tool boxes		2
Vise		1
Water cooler		1
Wrenches		2
Washers		15

A N N U A L R E P O R T

OF THE

PARK COMMISSIONERS

OF THE

CITY OF CLEVELAND,

FOR THE

YEAR ENDING DECEMBER 31, 1883.

ANNUAL REPORT

OF THE

PARK COMMISSIONERS.

To the Honorable City Council :

GENTLEMEN:—Herewith is submitted the report of the Board of Park Commissioners for the year ending December 31st, 1883.

The following is an exhibit of the receipts and disbursements for the year:

Balance on hand January 1st, 1883.....	\$ 2,529 05	
Received under the tax levy.....	12,182 38	
Received from miscellaneous sources.....	16 60	
Proceeds of loan from the Sinking Fund of 1862....	20,000 00	
		\$34,728 03
DISBURSEMENTS.		
General account.....	11,006 47	
Wade Park Improvement.....	20,734 87	31,741 34
Balance on hand January 1st, 1884		2,986 69

The general account embraces all expenditures for the maintenance of the several parks, the improvements and repairs, office expenses and salary of the Superintendent and Secretary as follows:

Wade Park.....	\$ 608 25
Monumental Square.....	2,614 29
Lake View Park.....	2,753 39
Franklin Circle	692 00
South Side Park.....	925 44
Clinton Park.....	688 80
Miles Park.....	90 00
Office Expense.....	2,638 61
Total.....	\$11,006 47

The following items constitute the expenditures for the year on the general account.

Labor, including wages of park tenders and laborers.....	\$ 6,094 31
Repairs of walks in Monumental Square.....	605 44
Plumbing repairs.....	87 52
Plants and flowers... ..	147 66
Turf.....	86 00
Painting fence Lake View Park.....	226 10
Salary of Superintendent, 11 months.....	2,291 65
Salary of Secretary....	800 00
Office Stationery.....	46 96
Miscellaneous supplies for use in the parks.....	520 83
Total.....	\$11,006 47

Nothing in the nature of permanent improvements have been made during the past year in either of the parks, except that which has been carried forward during the summer in Wade Park.

WADE PARK.

By the terms of the deed of gift made by Mr. Wade to the city a sum not less than \$75,000 is to be expended within three years from the first day of January, 1883, for the improvement of Wade Park, and in compliance with the recommendation of the Board of Commissioners and in furtherance of the city's obligation a levy of 6-20 of a mill for the improvement of Wade Park was incorporated in the tax

ordinance, passed June 4th, 1883. The proceeds from such levy not being available until the year following, 1884. and the Board of Commissioners desiring to proceed at once with the work of improvement asked of your honorable body authority to borrow the sum of \$24,000 from the Sinking Fund of 1862, the proceeds of the loan to be used in anticipation of the levy; in compliance with the request, a resolution, introduced by Mr. Green, chairman of the committee on parks and public grounds, was adopted by the Council, June 11th, 1883, conferring the authority asked for; by virtue of this authorization loans aggregating \$20,000 have been made during the year and notes bearing interest at six per cent. per annum were given as follows:

August 1st, 1883	for \$5,000 00,	payable April 1st, 1884.
Sept. 5th, 1883	for \$5,000 00,	payable April 1st, 1884.
Oct. 1st, 1883	for \$2,000 00,	payable April 1st, 1884.
Oct. 1st, 1883	for \$3,000 00,	payable Sept. 1st, 1884.
Nov. 1st, 1883	for \$5,000 00,	payable Sept. 1st 1884.

There has been expended during the year upon this important improvement the sum of \$20,734 87; the aggregate expenditure in this behalf up to the date of this report being \$21,204.87. The amount in excess of that secured by the loans referred to, viz: \$1,204.87, being paid out of the balance remaining in the Park Fund.

The plans, maps and drawings as prepared by Mr. E. O. Schwagerl for the improvement were approved by the Board of Commissioners May, 3d, 1883, and work was commenced the following July, the extent and nature of the work performed during the year is set forth in the report of the Superintendent which accompanies, and is made a part of this report.

For the purpose of carrying forward the improvement in conformity with the terms already referred to, a further levy will be asked for at the proper time, and the Board of Commissioners is well assured that your honorable body will co-operate in prosecuting the work to its final completion by voting the means requisite.

Beyond the erection of a needed Stand House in South Side Park no permanent improvements are contemplated during the coming year, and, as the parks are in most excellent condition, but a very small appropriation will be asked for beyond the usual amount required for the proper care and protection of the valuable property entrusted to this Board.

Respectfully submitted,

A. EVERETT, President.

J. H. WADE,

J. M. CURTISS,

Commissioners.

W. H. ECKMAN, Clerk.

SUPERINTENDENT'S
REPORT.

SUPERINTENDENT'S REPORT.

To the Honorable Board of Park Commissioners, of Cleveland, O.:

GENTLEMEN:—Herewith is respectfully presented a progressive plan and a brief report of work under your management during the year 1883:

The work on Wade Park was commenced July 1883 and closed on Nov. 29th, 1883.

The removal of the Deer Park, to its more healthful site demanded immediate attention, necessitating the cutting out of many large and old forest trees, most of which were more or less seriously decayed. The remaining trees were cleared of dead wood. The surface ground has been graded, fertilized and top-dressed with not less than six inches of good soil, and is now in young grass, having already afforded the animals some substantial grazing. The fence enclosing the Deer Park is 1,700 feet long and 10 feet high, built with posts obtained from the grounds. A three inch water pipe is laid to the Deer Park.

The Boulevard bounding the Wade Park, and leading from Euclid avenue to Doan street, north of the brook, is nearly 5,000 feet long and 66 feet wide, 40 feet of which forms the roadway, 16 feet lawn and 10 feet sidewalk.

The entire breadth is graded, requiring the removal of 27,600 cubic yards of earth. The road bed has been dressed with suitable clay, requiring 2,000 cubic yards of that material, and one quarter of its surface covered with gravel. The strip

of lawn has been enriched with 5,300 cubic yards of the best surface soil, to produce a speedy and luxuriant growth of the shade trees. All the adjoining Park roads have been graded at their connection with the Boulevard.

Seventeen large elms have been moved and replanted.

The remaining work done is as follows:

Roads 30 feet wide graded,	5,650 linear feet.
Park walks 8 and 10 feet wide graded,	3,300 linear feet.
Total sod edging laid	15,100 linear feet.

The above three items requiring the additional removal of 10,000 cubic yards of earth.

The Parade and Nursery grounds have been ploughed, and the former cross-ploughed.

The Lake has been partially excavated, and the gravel bank largely uncovered of earth and made accessible where the future road bed and grade will be formed by the removal of the gravel only, which at this place is of an excellent quality.

72 feet of brick sewer 18x24 inches has been built, and 1,642 feet of 8 inch water mains laid, including four 4 inch hydrants.

Throughout the grounds a large number of tree stumps have been removed, as well as the trees in the new road sites.

The following is a summary of good available timber on hand, saved from condemned trees:

White oak.....	41,000 board measure.	153 tons.
Red oak.....	16,685 " "	36 $\frac{3}{4}$ "
Chestnut.....	14,643 " "	29 $\frac{1}{4}$ "
Whitewood.....	41,336 " "	81 $\frac{1}{2}$ "
Butternut.....	estimated	20 "
White oak rustic	8 cords.	

Totals.....113,664 board measure, 320 $\frac{1}{2}$ tons.

The following relates to the labor employed and time occupied:

CLASSIFIED LABOR DURING 129 WORKING DAYS.

At \$1.50 per day.....	4,219.05 days
“ 1.40 “ “	2,222.15 “
“ 1.25 “ “	234.40 “
“ 1.00 “ “	196.80 “

Total..... 6,872.40 days.

Average laborers per day.....	53 $\frac{35}{129}$
Teams at \$3.50 per day	1,948.15
Average teams per day.....	15
Mechanics at \$2.75 per day.....	6.15

The rules and regulations approved by your Board before the commencement of the work have resulted in entire satisfaction to the management, with equal benefit to the employes.

The system of graded wages recommends itself in its workings, by stimulating labor for promotion, and compensating industry, honesty and ability.

The deep cuts and fills are practically completed, except the roads on the gravel pit, and the lake dyke separating the lake and brook.

A topographical survey and plans of improvement have been made for the South Side Park, including a set of plans for a Music and Speaker's Pavillion and tool room. Otherwise, nothing has been done on any of the minor Squares and Parks except the ordinary maintenance work, keeping them in as good condition as the amount of the maintenance fund would permit.

Respectfully submitted,

E. O. SCHWAGERL,

Supt. and Engineer.

To the Honorable City Council.

TWELFTH ANNUAL REPORT

OF THE

BOARD OF

POLICE COMMISSIONERS

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31, 1883.

ORGANIZATION.

JOHN H. FARLEY,
Mayor and President.

Commissioners:

W. H. GABRIEL,
J. H. BRADNER,
A. B. HALLIWELL,
JAMES McNEIL.

THOMAS KING, *Secretary.*
JACOB W. SCHMITT, *Superintendent.*
JAS. McMAHON, *Deputy Superintendent.*

HENRY HOEHN, *Captain.*

EXTRACT FROM REGULAR MEETING OF THE BOARD HELD JANUARY 21, 1884.

"The Secretary submitted copies of Annual Report of Police Department.

"*Ordered*, That three hundred copies of same be printed and bound."

By order of the Board,

THOMAS KING, *Secretary.*

TWELFTH ANNUAL REPORT
OF THE
BOARD OF POLICE COMMISSIONERS,
OF THE
CITY OF CLEVELAND.

OFFICE BOARD OF POLICE COMMISSIONERS,}
CLEVELAND, JAN. 1, 1884. }

To the Honorable City Council of Cleveland, O.:

The Twelfth Annual Report of the Board of Police Commissioners is respectfully submitted for the consideration of your honorable body, in compliance with an act of the General Assembly, passed March 17th, 1876, providing for the control of the Police Department of this city.

The year just closed has been a very quiet one in Police circles, little having transpired to shock the moral sense of our community, consequently, this report will be confined to records of ordinary Police transactions, and a record of all moneys received and disbursed by the Board during the year.

THE BOARD.

Since the last Report there has been one change in the *personnel* of the Board. The time of Commissioner Short having expired, the citizens at the last Spring election elected James McNeil to fill the place formerly occupied by Commissioner Short.

The Board at present is made up by the following citizens:

	Term Expires.
JOHN H. FARLEY, <i>Mayor and President,</i>	1885.
W. H. GABRIEL,	1884.
J. H. BRADNER,	1885.
A. B. HALLIWELL,	1886.
JAMES McNEIL,	1887.
THOMAS KING, <i>Secretary.</i>	

STANDING COMMITTEES.

- RULES, MEN AND DISCIPLINE:
COMMISSIONERS GABRIEL, BRADNER AND HALLIWELL.
- STATION HOUSES, REPAIRS AND SUPPLIES:]
COMMISSIONERS BRADNER, HALLIWELL AND GABRIEL.
- FINANCE AND ACCOUNTS:
COMMISSIONERS HALLIWELL, McNEIL AND GABRIEL,
- APPOINTMENTS:
COMMISSIONERS McNEIL, BRADNER AND HALLIWELL.

ADDRESS OF COMMISSIONERS.

JOHN H. FARLEY,	CITY HALL.
W. H. GABRIEL,	50 MICHIGAN STREET.
J. H. BRADNER,	128 DETROIT STREET.
A. B. HALLIWELL,	85 MICHIGAN STREET.
JAMES McNEIL,	500 DETROIT STREET

INVENTORY OF PUBLIC PROPERTY
APPERTAINING TO
THE POLICE DEPARTMENT OF THE CITY OF CLEVELAND.

VALUE OF REAL ESTATE.

1st Precinct.....	\$50,000 00
2d "	6,000 00
3d & 5th "	7,000 00
6th "	8,000 00
7th "	8,000 00
8th "	9,000 00
9th "	4,500 00
10th "	8,000 00
<hr/>	
Total.....	\$95,500 00
Value of miscellaneous property, such as safes, desks, tables, chairs, carpets, badges, belts, clubs, etc., etc.....	\$10,500 00
<hr/>	
Grand total.....	\$106,000 00

THE FORCE.

Rank.	Name.	Nativity.	First entry in 'o Service under Metropolitan law.	Remarks.
Superintendent.....	J W. Schmitt.....	Germany.....	May 1, 1866.....	
Deputy Superintendent...	James McMahon.....	Ireland.....	" 1, 1866.....	
Captain.....	Henry Hoehn.....	Germany.....	" 1, 1866.....	
Lieutenant.....	M. F. Madigan.....	Ireland.....	" 1, 1866.....	
"	Conrad Koch.....	Germany.....	" 30, 1866.....	
"	Wm. Tompkins	England.....	" 1, 1866.....	
"	R. L. Fleury	United States.....	" 1, 1866.....	
"	Chas. McHannan.....	"	" 8, 1866.....	
"	Wm. R. Simmonds.....	"	" 15, 1867.....	
"	Philip Anthony.....	"	Dec. 24, 1870.....	
"	E. T. Granger	"	Sept. 7, 1871.....	
"	Frank Wagner.. ..	Germany.....	June 23, 1869	
"	John Schriber.....	United States.....	April 6, 1870.....	
"	E. K. Hutchinson	"	" 12, 1876.....	
Detective.....	W. H. Hurligan.....	Canada.....	Nov. 6, 1873.....	Prom'd from Sergeant.
"	F. R. Humphrey.....	England.....	Sept. 7, 1871.....	" " Patrolman.
"	A. McMillan.....	Canada.....	Feb. 23, 1873.....	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Detective.....	Henry Schroeder	Germany.....	Oct. 20, 1866.....	Union Depot.
"	J. J. Lohrer	"	May 1, 1866.....	
"	A. A. Lawrence.	England.....	" 1, 1866.....	
"	John Reeves.....	Ireland.....	July 8, 1875.....	
"	F. Gallagher.....	"	Sept. 7, 1871.....	
Sergeant.....	Jacob Stein	Germany.....	July 31, 1866.....	
"	John Barrow	United States	Aug. 7, 1867	
"	S. Kushman	"	Apl. 25, 1868.....	
"	P. A. Searls	"	Nov. 3, 1871.....	
"	A. Elleman	Germany.....	May 1, 1868.....	
"	Josiah Johnson	United States	July 19, 1871.....	
"	Thomas Thompson	England.....	Nov. 6, 1872.....	
"	Geo. W. Broadwell.....	United States.....	Apl. 14, 1877.....	
"	A. S. Gates	"	Nov. 13, 1871.....	
"	John Dunn	"	Dec. 31, 1870.....	Prom'd from Patrolman.
Engineer	Alex. Smith	Ireland.....	Apl. 19, 1876.....	
Patrolman.....	Wm. Anthony	United States.....	June 27, 1873.....	N. Y. P. & O. Depot.

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 2	Henry Brunner	United States	March 11, 1882	
" 3	Joseph Stadler	Germany	Sept. 16, 1876	
" 4	Charles E. Parker	United States	Dec. 28, 1882	
" 5	Michael English	Ireland	April 8, 1871	Superintendent's Clerk.
" 6	A. J. Marx	Germany	Sept. 14, 1870	
" 7	John T. Bashold	"	Jan. 8, 1875	
" 8	Geo. J. Griffin	United States	July 12, 1870	
" 9	A. Manzelman	Germany	April 20, 1872	
" 10	Edward Shipman	England	Jan. 31, 1871	Acting as Sergeant.
" 11	M. Ostermeyer	Germany	Aug. 7, 1867	
" 12	B. Rosenfelder	"	May 1, 1866	
" 13	K. Dienst	"	" 1, 1866	
" 14	D. W. McCready	United States	March 6, 1878	
" 15	C. C. Thomas	"	April 21, 1872	
" 16	Wm. Doubleday	"	Dec. 24, 1883	
" 17	Wm. Hildebrand	Germany	Sept. 21, 1872	Acting as Doorman.
" 18	Philip Haggerty	Ireland	May 1, 1866	Union Depot.

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 19	L. P. Grady	United States	Dec. 28, 1882	
" 20	John J. Mollan	Ireland	Aug. 22, 1873	
" 21	Peter Wilson	England	April 7, 1873	
" 22	Joseph O'Brien	Ireland	Dec. 28, 1882	
" 23	Wm. Mylechraine	Iale of Man	Feb. 23, 1872	
" 24	John Buechler	Germany	May 1, 1872	Acting as Janitor.
" 25	John Faron	Ireland	" 1, 1866	
" 26	Joseph Krenzel	Germany	Dec. 2, 1875	
" 27	Jacob Hammel	"	May 1, 1866	
" 28	Theo. Hathaway	United States	April 20, 1872	
" 29	W. Havlichek	Bohemia	" 30, 1873	
" 30	John Williams	Nova Scotia	" 20, 1872	Nickel Plate Depot.
" 31	M. F. Ruddy	United States	Oct. 25, 1881	
" 32	William Vogel	Germany	Nov. 21, 1871	
" 33	G. A. Domino	"	Jan. 17, 1875	
" 34	Jacob Boyer	United States	Dec. 4, 1878	
" 35	Richard Dunn	England	May 1, 1866	Acting as Janitor.

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 86.	Chas. O. Klane.....	United States	May 2, 1882.....	
" 87.	H. A. Cordes.....	"	July 29, 1888.....	R. R. Duty.
" 38.	H. A. Hibbard.....	"	May 20, 1881.....	
" 39.	M. F. Wood.....	"	" 9, 1877.....	
" 40.	J. M. Brooks.....	Bavaria.....	" 4, 1880.....	
" 41.	S. D. Mell.....	United States.....	April 30, 1873	
" 42.	John P. Norton.....	Ireland.....	May 8, 1888....	Acting as Sergeant.
" 43.	Geo. W. Willis.....	United States.....	" 1, 1886.....	Union Depot.
" 44.	Christian Henness.....	Germany.....	Sept. 23, 1879.....	
" 45.	W. M. Tucker.....	United States.....	June 3, 1881....	
" 46.	Jacob Ganss.....	Germany.....	May 30, 1883.....	
" 47.	Patrick O'Mally.....	Ireland.....	June 10, 1875.....	
" 48.	F. G. Hanks	United States..	Dec. 7, 1876.....	
" 49.	H. W. Sherman.....	"	Jan. 10, 1882.....	
" 50.	Daniel Mack	Ireland.....	Oct. 17, 1882	
" 51.	H. T. Felhaber.....	Germany.....	April 6, 1877.....	
" 52.	Patrick Corkhill.....	Ireland.....	" 18, 1869	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 53.....	Wm. Mehner	United States.....	Jan. 20, 1882.....	Court Officer and Property Clerk.
" 54.....	Charles Butler.....	" ".....	Dec. 24, 1883.....	
" 55.....	Wm. Sorge.....	" ".....	Nov. 18, 1871.....	
" 56.....	J. W. Johnston	Ireland.....	" 20, 1876.....	
" 57.....	W. J. Flannigan.....	United States.....	May 22, 1879.....	
" 58.....	A. W. Coleman.....	" ".....	Feb. 21, 1882.....	
" 59.....	W. S. Lipps	" ".....	April 20, 1872.....	
" 60.....	Philip Carbeck.....	" ".....	Aug. 1, 1882.....	
" 61.....	J. C. Kampfe	" ".....	Nov. 20, 1883.....	
" 62.....	James Lanahan.....	Ireland.....	July 19, 1882.....	
" 63.....	E. A. Boynton.....	United States.....	Jan. 3, 1878.....	
" 64.....	Wm. Smith	" ".....	Dec. 7, 1880.....	
" 65.....	John Sprankle.....	Germany.....	Aug. 6, 1873.....	
" 66.....	August Somers.....	"	Dec. 24, 1883.....	
" 67.....	Charles Eckard	"	May 8, 1868.....	
" 68.....	John Quinn.....	Ireland.....	" 16, 1871.....	
" 69.....	George Kadle.....	Germany.....	" 1, 1866.....	Acting as Sergeant.

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 70.....	Charles Tressell.....	Germany.....	Nov. 26, 1889.....	
" 71.....	W. S. Rowe.....	United States.....	May 18, 1890.....	
" 72.....	John Burns.....	Ireland.....	" 8, 1868.....	Acting as Sergeant.
" 73.....	Paul J. Luehrs.....	Helligoland.....	April 20, 1872.....	Licenses.
" 74.....	Jacob Meyers.....	Germany.....	Nov. 13, 1871.....	
" 75.....	A. A. Lawrence, Jr.....	United States.....	" 29, 1874.....	
" 76.....	John Wagner.....	" ".....	July 22, 1882.....	
" 77.....	G. F. Mog.....	" ".....	Aug. 3, 1881.....	
" 78.....	E. W. Bradley.....	" ".....	April 29, 1875.....	Acting as Sergeant.
" 79.....	J. W. Varner.....	" ".....	Jan. 21, 1878.....	
" 80.....	J. C. Deuzer.....	" ".....	Nov. 27, 1878.....	
" 81.....	C. P. Manning.....	Canada.....	Oct. 19, 1883.....	
" 82.....	Francis Douglass.....	Ireland.....	Nov. 13, 1871.....	
" 83.....	N. J. Mershon.....	United States.....	May 20, 1879.....	Acting as Sergeant.
" 84.....	F. B. Eustace.....	" ".....	April 19, 1875.....	
" 85.....	John McCormick.....	Ireland.....	" 8, 1874.....	
" 86.....	A. J. Barnes.....	United States.....	Sept. 7, 1871.....	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 87	A. M. Blood	United States	Nov. 26, 1874	
" 88	Daniel Cantillon	Ireland	Jan. 29, 1875	
" 89	John Britton	"	Dec. 24, 1883	
" 90	L. A. DeCelle	United States	March 1, 1881	
" 91	Geo. E. Corner	"	April 20, 1880	
" 92	M. F. Silabee	"	March 26, 1873	
" 93	M. W. Murphy	"	Sept. 7, 1871	
" 94	Patrick Kennedy	Ireland	June 10, 1875	
" 95	Henry Kramer	United States	Dec. 24, 1883	
" 96	J. F. Megirth	Switzerland	May 1, 1873	
" 97	Henry Selbel	United States	Feb. 5, 1873	
" 98	J. P. Bramley	England	Nov. 2, 1871	Acting as Doorman.
" 99	F. J. Lambert	Germany	" 2, 1871	
" 100	F. C. Laucer	"	" 23, 1873	
" 101	Chas. Fischer	"	July 17, 1874	
" 102	S. B. Close	United States	Nov. 2, 1871	
" 103	Frank Kulas	Bohemia	May 16, 1878	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 104.....	J. H. Mangan	Ireland.....	Sept. 18, 1875....	
" 105.....	C. McMasters.....	United States	Nov. 27, 1878	
" 106.....	Geo. Demaline.....	"	March 18, 1880.....	
" 107	Chas. Dangler.....	"	April 9, 1877	
" 108.....	Geo. D. Scott.....	"	Sept. 21, 1878.....	On Court duty.
" 109.....	John Sprosty.....	Bohemia.....	Nov. 6, 1872....	On Court duty.
" 110	Wm. Schneider.....	Germany.....	June 3, 1881.....	
" 111.	W. A. Sherman.....	United States	Nov. 6, 1872	Acting as Sergeant.
" 112.....	J. W. Francis.....	"	Nov. 6, 1872.....	
" 113.....	Stewart Hart.....	Canada.....	Nov. 18, 1883.....	
" 114	John McGraw	Ireland.....	April 6, 1877.....	
" 115	Wm. O'Brien	"	Jan. 18, 1878.....	
" 116	Chas. Miller.....	United States	March 5, 1875.....	
" 117.....	Jacob Reese	"	June 10, 1882.....	
" 118	Phillip Heege.....	Germany.....	Feb. 5, 1878....	
" 119.....	A. R. Stidley	United States	Jan. 18, 1878.....	
" 120.....	James Johnson.....	"	" 3, 1882	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 121.	M. H. Stofer	United States	Feb. 5, 1873	Acting as Janitor.
" 122	J. O'Laughlin	Ireland	" 12, 1873	Acting as Sergeant.
" 123	W. Schneearline	United States	Nov. 26, 1874	
" 124	John Schmunk	" "	Jan. 15, 1881	
" 125	S. L. Miller	" "	" 25, 1872	
" 126	Chas. Schroeder,	" "	Nov. 27, 1878	
" 127	G. B. Erwin	" "	April 19, 1881	
" 128	Michael Cunneen	Ireland	July 8, 1883	
" 129	Wm. Jenkins	England	Jan. 20, 1883	
" 130	John McCabe	Ireland	July 2, 1883	
" 131	J. J. Doyle	Canada	June 6, 1883	
" 132	M. J. Keegan	Ireland	" 6, 1883	
" 133	J. W. Spresty	Bohemia	Dec. 28, 1883	
" 134	E. R. Bennett	United States	Nov. 7, 1883	
" 135	John Carroll	Ireland	" 7, 1883	
" 136	James Walt	United States	" 26, 1874	
" 137	W. H. Holbrook	" "	" 7, 1883	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 138.....	Parker Hare.....	United States	Nov. 7, 1882.....	
" 139.....	J. W. T. Mitchell.....	England.....	Dec. 28, 1882	
" 140.....	J. W. Flavin	United States.....	" "	
" 141.....	Geo. J. Keldel.....	"	July 10, 1883.....	
" 142.....	Michael O'Hara.....	"	Aug. 7, 1883.....	
" 143.....	Joseph Whittaker.....	"	" 7, 1883.....	
" 144.....	Wm. J. Dwyer.....	"	Aug. 7, 1883.....	
" 145.....	S. S. Minor.....	"	Aug. 7, 1883.....	
" 146.....	Patrick McTigue.....	"	" 7, 1883.....	
" 147.....	Chas. J. Creter.....	Germany.....	" 7, 1883.....	
" 148.....	Frank Iles.....	Canada.....	" 7, 1883.....	
" 149.....	Patrick Ruddy.....	Ireland.....	" 7, 1883.....	
" 150.....	John Miller.....	United States.....	" 7, 1883.....	
" 151.....	H. Masterson.....	"	" 7, 1883.....	
" 152.....	John Corrigan.....	Ireland.....	" 7, 1883.....	
" 153.....	W. W. Edwards.....	United States.....	" 7, 1883.....	
" 154.....	James Cullen.....	Ireland.....	" 7, 1883.....	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 155.....	Wm. Hotes.....	United States.....	Aug. 7, 1883.....	
" 156.....	Anton Dielman.....	" ".....	" 7, 1883.....	
" 157.....	Jas. Donnelly.....	Ireland.....	" 7, 1883.....	
" 158.....	A. Bartholomew.....	United States.....	" 7, 1883.....	
" 159.....	W. Fitzgerald.....	" ".....	" 7, 1883.....	
" 160.....	Charles Duff.....	Scotland.....	" 7, 1883.....	
" 161.....	August Wedig.....	Germany.....	" 7, 1883.....	
" 162.....	C. W. Robinson.....	Canada.....	" 7, 1883.....	
" 163.....	E. F. Washington.....	United States.....	" 7, 1883.....	
" 164.....	A. McKnight.....	" ".....	" 7, 1883.....	
" 165.....	F. Van Ostran.....	" ".....	" 7, 1883.....	
" 166.....	John Mahaney.....	Canada.....	" 7, 1883.....	
" 167.....	Joseph Sweeney.....	Ireland.....	" 21, 1883.....	
" 168.....	John Tupa.....	United States.....	" 21, 1883.....	
" 169.....	A. Naperstek.....	Bohemia.....	" 21, 1883.....	
" 170.....	A. D. Michell.....	Germany.....	" 21, 1883.....	
" 171.....	Martin Reddy.....	Ireland.....	" 21, 1883.....	

PENSION ROLL.

Names.	When appointed on Force.	When placed in Pension Roll.
Thomas Hoban.....	September 22, 1871.....	May 15, 1881.
H. M. Holzworth.....	May 1, 1868.....	May 8, 1883.

**APPOINTMENT AND PROMOTIONS OF OFFICERS CLEVELAND
POLICE FORCE UNDER METROPOLITAN LAW
OF MAY 1, 1866.**

J. W. SCHMITT, appointed Patrolman: Detective and acting Chief May 1, 1866; Superintendent April 26, 1871; re-appointed May 18, 1876.

JAMES McMAHON, appointed Patrolman and First Sergeant May 1, 1866; Acting Captain May 5, 1869; Captain December 1, 1869; Acting Superintendent June 20, 1870; re-appointed Captain, May 17, 1876; Acting Deputy Superintendent May 3, 1881; Deputy Superintendent, June 28, 1881.

HENRY HOEHN, appointed Patrolman May 1, 1866; Acting Sergeant July 1, 1871; Sergeant April 20, 1872; Lieutenant April 12, 1876; Captain September 13, 1876.

A. A. LAWRENCE, Patrolman from May 1, 1866, to May 9, 1868; re-appointed Patrolman June 19, 1869; Detective April 12, 1876.

J. J. LOHRER, appointed Patrolman May 1, 1866; Acting Sergeant April 16, 1872; Detective April 12, 1876.

HENRY SCHRODER, appointed Patrolman September 22, 1866; Special Detective June 19, 1872; Detective April 14 1876,

W. H. HULLIGAN, appointed Patrolman November 5, 1872; Special Detective April 3, 1874; Detective April 12, 1876.

JOHN REEVES, appointed Patrolman May 13, 1875; Special Detective July 8, 1875; Detective April 27, 1876.

F. GALLAGHER, appointed Patrolman September 7, 1871; Detective June 1, 1876.

F. R. HUMPHREY, Patrolman November 7, 1871; Acting Sergeant July 3, 1882; Sergeant December 30, 1882; Acting Detective October 26, 1883; Detective December 18, 1883.

- A. McMILLAN, Patrolman February 23, 1872; Acting Detective July 10, 1883; Detective December 18, 1883.
- M. F. MADIGAN, appointed Patrolman May, 1, 1866; Fifth Sergeant June 2, 1866; Fourth Sergeant December 1, 1869; Lieutenant April 12, 1876.
- CONRAD KOCH, appointed Patrolman, May 30, 1866; Roundsman April 16, 1872; Acting Sergeant January 25, 1875; Lieutenant April 12, 1876.
- WILLIAM TOMPKINS, appointed Patrolman, May 1, 1866; Roundsman April 16 1872; Acting Sergeant November 7, 1872; Sergeant April 12, 1875; Lieutenant April 12, 1876.
- W. R. SIMMONDS, appointed special Patrolman May 16, 1867; Lieutenant April 14, 1876.
- ROBERT L. FLEURY, appointed Patrolman May 1, 1866; Sergeant April 16, 1872; to June 10, 1875; Lieutenant April 12, 1876.
- CHAS. McHANNAN, appointed Patrolman May 8, 1868; Acting Sergeant July 1, 1871; Lieutenant April 14, 1876.
- PHILLIP ANTHONY, appointed Patrolman December 24, 1870; Roundsman April 16, 1872; Acting Sergeant April 10, 1874; Sergeant March 13, 1875; Lieutenant April 14, 1876.
- JOHN SCHRIDER, appointed Patrolman, April 6, 1870; Roundsman August 7, 1873; Sergeant April 14, 1876; Acting Lieutenant April 6, 1877; Lieutenant April 14, 1877.
- FRANK WAGNER, appointed Patrolman June 23, 1869; Roundsman December 8, 1874; Sergeant April 14, 1876; Lieutenant September 16, 1876.
- E. T. GRANGER, appointed Patrolman September 7, 1871; Roundsman December 5, 1874; Sergeant April 12, 1876; Lieutenant May 23, 1881.
- E. K. HUTCHINSON, Sergeant April 14, 1876; Acting Lieutenant May 16, 1882; Lieutenant December 30, 1882.
- JACOB STEIN, Patrolman from July 31, to October 20, 1866; re-appointed Patrolman September 11, 1868; Sergeant September 16, 1876.
- JOHN BARROW, appointed Patrolman August 8, 1867; Acting Sergeant April 6, 1877; Sergeant April 14, 1877.
- ANDREW EITELMAN, Patrolman from May 1, 1866; to January 6, 1868; reappointed Patrolman May 8, 1868; Roundsman December 2, 1875; Sergeant April 12, 1876.
- P. A. SEARLS, appointed Patrolman November 3, 1871; Acting Roundsman November 9, 1872; Sergeant May 27, 1876.

STEPHEN KUSHMAN, Patrolman, April 25, 1868; Roundsman January 25, 1875; Acting Sergeant April 25, 1875; Sergeant April 14, 1876.

JOSIAH JOHNSON, Patrolman July 19, 1871; Acting Sergeant October 14 1877; Sergeant May 23, 1881.

THOMAS THOMPSON, Patrolman from May 17, 1867; to September 19, 1870; re-appointed Patrolman November 7, 1872; Acting Sergeant May 23, 1881; Sergeant January 20, 1882;

GEO. W. BROADWELL, Patrolman April 16, 1877; Acting Sergeant May 16, 1882; Sergeant December 30, 1882.

A. S. GATES, Patrolman November 13, 1871; Acting Sergeant January 20, 1882; Sergeant December 30, 1882.

JOHN DUNN, Patrolman December 31, 1870; Acting Sergeant December 28, 1882; Sergeant Dec. 18, 1883.

NATIVITY.

Country.	Dec. 31, 1882.	Dec. 31, 1883.	Increase.
Bohemia	4	5	1
Canada.....	8	8	5
England.....	10	10	.....
Germany.....	89	41	2
Helligoland.....	1	1	.....
Ireland.....	81	89	8
Isle of Man.....	1	1	.....
Nova Scotia.....	1	1	.....
Switzerland.....	1	1	.....
United States.....	84	98	14
Scotland.....	.....	1	1
Total.....	175	206	31

**NATIONALITY OF POLICE FORCE FROM MAY 1, 1866, TO
DECEMBER 31, 1883.**

Birth Place.		
United States.....	215	
Ireland	88	
Germany	82	
England.....	20	
Canada	11	
Bohemia.....	7	
Scotland.....	7	
Isle of Man.....	2	
Switzerland	2	
Born at sea.....	2	
Heligoland	1	
Hungary	1	
Nova Scotia.....	1	
Holland.....	1	
Total.....		440
Resigned.. ..	112	
Discharged	101	
Died.....	19	
Pensioned	2	
Total		234
Rema ning		206
Average age when appointed, 31¼ years.		

PAY OF THE FORCE.

TWO HUNDRED AND SIX MEN AT FULL TIME DURING 1884.

No.	Officers.	Yearly compensation.	Total.	Grand Total.
1	Superintendent	\$2,150 00	\$2,150 00	
1	Secretary	1,600 00	1,600 00	
1	Deputy Superintendent	1,500 00	1,500 00	
1	Captain	1,400 00	1,400 00	
11	Lieutenants	1,000 00	11,000 00	
8	Detectives	1,000 00	8,000 00	
10	Sergeants	950 00	9,500 00	
158	Patrolmen	840 00	132,720 00	
1	“ Superintendent's clerk	950 00	950 00	
1	“ court officer	900 00	900 00	
8	“ acting sergeants	900 00	7,200 00	
8	“ acting janitors	750 00	2,250 00	
1	Engineer	840 00	840 00	
1	Fireman, 6 months	300 00	300 00	\$180,810 00

APPOINTED DURING THE YEAR.

Date.	Names.	Age.	Nativity.	Former Occupation.	Social Condition.	Rank.	No.
1883.							
July 2 ..	John McCabe	84	Ireland	Blacksmith	Single	Patrolman	130
" 3	Michael Cunneers	84	"	Rolling Mill Man	"	"	128
" 10	Geo. J. Keidel	84	United States	Marble Cutter	Married	"	141
Aug. 7 ..	Michael O'Hara	84	"	Steel Worker	"	"	142
Nov. 13 ..	Joseph Whittaker	32	"	Rolling Mill Man	"	"	143
Aug. 7	W. J. Dwyer	26	"	Sailor	"	"	144
Aug. 7	S. S. Minor	82	"	Conductor	"	"	145
" 7	Patrick McTigue	31	"	Laborer	"	"	146
" 7	Chas. J. Creter	32	Germany	Watchman	"	"	147
" 7	Frank Iles	36	Canada	Coachman	Single	"	148
" 7	Patrick Ruddy	37	Ireland	Laborer	"	"	149
" 7	John Miller	32	United States	Plasterer	Married	"	150
" 7	Hugh Masterson	25	"	Brakeman	"	"	151
" 7	John Corrigan	27	Ireland	Laborer	Single	"	152
" 7	W. W. Edwards	34	United States	Bridge Tender	Married	"	153

APPOINTED DURING THE YEAR—Continued.

Date.	Names.	Age.	Nativity.	Former Occupation.	Social Condition.	Rank.	No.
1883.							
Aug. 7	James Cullen	32	Ireland	Butcher	Married	Patrolman	154
" 7	Wm. Hotes	37	United States	Cigar Maker	"	"	155
" 7	Anton Dielman	30	"	Painter	"	"	156
" 7	James Donnelly	34	Ireland	Watchman	"	"	157
" 7	A. Bartholomew	34	United States	Grocer	"	"	158
" 7	Wm. Fitzgerald	31	"	Bridge Tender	Single	"	159
" 7	Chas. Duff	33	Scotland	Paver	Married	"	160
" 7	August Wedig	31	Germany	Constable	"	"	161
" 7	C. W. Robinson	30	Canada	Bricklayer	"	"	162
" 7	E. F. Washington	26	United States	Cooper	"	"	163
" 7	A. McKnight	37	"	Harness Maker	"	"	164
" 7	Frank Van Ostran	35	"	Watchman	"	"	165
" 21	James Mahany	35	Canada	Carpenter	"	"	166
" 21	Joseph Sweeney	25	Ireland	"	"	"	167
" 21	John Tupa	26	United States	Painter	Single	"	168

APPOINTED DURING THE YEAR—Continued.

Date.	Names.	Age.	Nativity.	Former Occupation.	Social Condition.	Rank.	No.
Aug. 21	A. Naperstek	31	Bohemia	Carpenter	Married	Patrolman	169
Sept. 4	A. D. Michael	29	Germany	Blacksmith	Single	"	170
" 18	Martin Reddy	30	Ireland	Laborer	Married	"	171
Oct. 19	C. P. Manning	25	Canada	Conductor	Single	"	81
Nov. 13	Stewart Hart	26	"	"	"	"	113
" 20	J. C. Kempfe	28	United States	Cooper	"	"	61
Dec. 18	F. R. Humphrey	42	England	Sergeant	Married	Detective	...
" 18	A. McMillan	36	Canada	Patrolman	"	"	...
" 18	John Dunn	37	United States	"	"	Sergeant	...
" 24	John Britton	33	Ireland	Railroading	"	Patrolman	89
" 24	Chas. Butler	30	United States	"	"	"	54
" 24	August Somers	32	Germany	Fireman	"	"	66
" 24	Henry Kramer	29	United States	Cigar Maker	"	"	95
" 24	Wm. Doubleday	34	"	Engineer	Single	"	16

MEMBERS OF THE FORCE TRIED DURING THE YEAR.

Date.	Name.	Rank.	Charge.	Sentence.
February 6...	A. W. Coleman.....	Patrolman 58.....	Asleep on duty.	Reprimand.
" 16...	M. Ostermeyer.....	" 11. ...	Neglect of duty.....	Reprimand.
" 16...	Daniel Cantillon	" 88.....	Neglect of duty.....	Reprimand.
" 20...	Patrick O'Mally.....	" 47.....	Neglect of duty.....	Reprimand.
" 20...	M. M. Mulhall.....	" 113.....	Leaving beat	Reprimand and 6 months night duty.
March 8.....	Phillip Heege.....	" 118.....	Leaving beat.....	Pay stopped, \$60.
" 20.....	O. Wetzell	" 81....	Leaving beat.....	Pay stopped, \$20.
May 15.....	L. Davis.....	" 66.....	Asleep on duty.....	Pay stopped, \$10, and reprimand.
June 13.....	Jas. Johnson.....	" 120.....	Entering engine house.	Reprimand.
" 12.....	Patrick Kennedy.....	" 91.....	Entering saloon and drinking.....	Reprimand and pay stopped, \$50.
" 13.....	Jacob Boyer.....	" 84....	Unbecoming conduct	Suspended.
" 26.....	M. M. Mulhall.....	" 113.....	Neglect of duty.....	Acquitted.
" 19.....	S. L. Miller.....	" 125.....	Assault.....	Case dismissed.;
" 26.....	J. W. Flavin.....	" 140.....	Neglect of duty.....	Pay stopped, \$10, and reprimand.
" 26.....	F. Douglass.....	" 82.....	Disobedience of orders.....	Reprimand.
" 26.....	Patrick Synan.....	" 128.....	Intoxication	Discharged.
July 2... ..	J. O'Brien	" 22. ...	Unbecoming conduct.....	Reprimand.

MEMBERS OF THE FORCE TRIED DURING THE YEAY.

Date.	Name.	Rank.	Charge.	Sentence.
July 8.....	F. B. Eustace.....	" 84.....	Profane and harsh language.....	Reprimand and suspended 80 days.
" 27.....	Jacob Boyer.....	" 84.....	Unbecoming conduct.....	Suspended 180 days.
" 27.....	H. T. Felhaber.....	" 51.....	Unbecoming conduct.....	{ Rule 49½; suspended 1 year; 6 months } night duty; reprimand.
" 27.....	Charles Miller.....	" 116.	Not paying debts.....	Six months night duty and reprimand.
August 21.....	S. L. Miller.....	" 125.	Leaving Beat.....	Not guilty.
October 27.....	N. J. Mershon.....	Acting Sergeant.....	Cruelty to prisoner.....	Not guilty.
" 29.....	M. M. Mulhall.....	Patrolman 113.....	Violating State laws..	Discharged.
November 13..	L Davis.....	" 66.....	Neglect of duty.....	{ Six months' night duty; 10 days' pay } stopped, and reprimand.
" 18..	A. A. Lawrence, jr. .	" 75.....	Intoxication.....	Not disposed of.
" 20..	L. P. Grady.....	" 19.	Violating rules.....	Not guilty.
December 4	Patrick McGreal.....	" 54.....	Intoxication and unbecoming conduct	Discharged.
" 18.	G. W. Floyd.....	" 89.....	Violating State laws and leaving beat.	Discharged.

CHANGES IN THE DEPARTMENT.

	Superintendent.	Secretary.	Deputy Superintendent.	Captain.	Lieutenant.	Detective.	Sergeant.	Patrolmen.	Engineer.	Fireman.	Total.
Remaining	1	1	1	1	11	8	10	171	1	1	200
Pensioned	..	..	..	1	..	..	..	..	..	..	....
Promoted	..	..	..	..	..	..	1	2	..	..	3
Discharged	..	..	..	..	..	..	..	4	..	..	4
Resigned	..	..	..	..	..	1	..	4	..	..	5
Appointed	..	..	..	..	..	2	1	41	..	..	44
Remaining, last report	1	1	1	2	11	7	10	140	1	1	174

**AN INCREASE DURING THE YEAR OF 81
RESIGNED—Detective Gen. E. Goodrich; Patrolmen, W. H. Case,
Patrick Synan, M. M. Mulhall, Patrick
Humphrey, and Patrolman A. McMill
Holkworth.**

and Oswald Wetzal).

HEADQUARTERS, PRECINCTS AND STATION HOUSES.

HEADQUARTERS

At City Hall, Rooms Nos. 15, 16 and 17. The Board and Secretary occupy No. 15, the Superintendent No. 17, and Detectives No. 16. No. 20, second floor, is used for a store-room.

PRECINCTS.

FIRST PRECINCT.—From the Lake Shore along Erie street to Euclid avenue, along Euclid avenue to Brownell street, to Woodland avenue, to Erie and Cross streets, along Cross street to the River, along the River to the N. Y. P. & O. R. R. track, along the track to the River at the intersection of Tracy street, along the river to the Lake Shore, along the Lake Shore to Erie street.

SECOND PRECINCT.—From Erie street along the Lake Shore to Case avenue, along Case avenue to Euclid avenue, along Euclid avenue to Erie street, along Erie street to the Lake Shore.

THIRD PRECINCT.—From Brownell street and Euclid avenue along Euclid avenue to Fern alley, to Prospect street, to Hayward street, to Garden street, to Willson avenue, to Kingsbury Run, along the Run to the River, along the River to Cross street, along Cross street to Woodland avenue, along Woodland avenue to Brownell street, along Brownell street to Euclid avenue.

FOURTH PRECINCT.—From Lake Shore and Case avenue to Euclid avenue, along Euclid avenue to Fern alley, to Prospect street, to Hayward street, to Garden street, along Garden to its end, and on a line with Garden street to the City Limits, along the Limits to the Lake Shore, along the Lake Shore to Case avenue.

FIFTH PRECINCT.—From corner Willson avenue and Garden street, along Garden street to its end, and on a line with Garden street to the City Limits, along the City Limits to Kinsman street, to south branch of Kingsbury Run, along the Run to Willson avenue, along Willson avenue to Garden street.

SIXTH PRECINCT.—From the River and Kingsbury Run, along the Run to the north branch of said Run, and then along the south branch to Kinsman street, to the City Limits, along the Limits to Union street, along Union street to Ackley avenue, along Ackley avenue to Fleet street to the City Limits, along the Limits to the River, along the River to Kingsbury Run.

SEVENTH PRECINCT.—From Ackley avenue and Union street, along Union street to the City Limits, along the Limits to Fleet street, along Fleet street to Ackley avenue, along Ackley avenue to Union street.

EIGHTH PRECINCT.—From the Lake Shore up the River to Tracy street, along the N. Y. P. & O. R. R. track to Walworth Run, along the Run to Burton street, along Burton street to Randall street, along Randall to Harbor street, along Harbor to Franklin avenue, along Franklin avenue to the City Limits, along the City Limits to the Lake Shore, along the Lake Shore to the River.

NINTH PRECINCT.—From the River and Walworth Run, along the Run to Burton street, along Burton street to the City Limits, along the Limits to the River, along the River to Walworth Run.

TENTH PRECINCT.—From Harbor Street and Franklin avenue, along Franklin avenue to the City Limits, along the Limits to Burton street, along Burton to Randall street, along Randall to Harbor street, along Harbor to Franklin avenue.

STATION HOUSES.

The Station Houses are located as follows:

FIRST PRECINCT.—Central Station on Champlain street.

SECOND PRECINCT.—Corner of Oregon and Oliver streets.

THIRD PRECINCT.—On Forest street, near Woodland avenue.

FOURTH PRECINCT.—Euclid, near Willson.

FIFTH PRECINCT.—No Station House; men all report to the Third Precinct Station House.

SIXTH PRECINCT.—On Willson avenue, near Broadway.

SEVENTH PRECINCT.—Wales street, near Harvard street.

EIGHTH PRECINCT.—On Detroit street, near Pearl street.

NINTH PRECINCT.—On Barber avenue.

TENTH PRECINCT.—On Swiss street, near Lorain.

HEALTH STATEMENT.

	Absent with	Without leave	Sick.	Family sick	Disabled.	Suspended	Rule 49%.	Total.	Average number of Force.
January	18	....	104	1	8	17	82	208	174
February	1	....	99	16	10	.	53	178	174
March	18	.	154	5	.	...	64	236	174
April	23	....	129	28	....	....	98	273	174
May	24	....	120	27	....	....	125	305	178.49
June	25	2	67	2	4	6	120	236	171.70
July	22	....	78	8	2	58	94	257	171.20
August	22	....	112	16	....	24	108	292	188.48
September	31	....	112	2	18	...	61	299	201.26
October	45	1	79	8	18	30	70	243	201.90
November	10	....	121	10	1	7	46	195	201.67
December	35	....	101	6	28	14	24	208	202.16
Totals	228	3	1844	119	77	196	934	2901	184

Average daily loss of time..... 8.51

" " " " " with leave	182	} .. 8.74
" " " " " without leave	72	
" " " " " by sickness.....	242	
" " " " " by sickness in family	112	
" " " " " suspended	182	
" " " " " disabled	72	
" " " " " Rule 49%	242	

Rule 49% allows each member of the force six days leave of absence each year, at full pay.

STATION HOUSES.

No material change has been made in Station Houses during the year.

In accordance with a resolution adopted by the Honorable City Council, the Board assumed control of a room in City Armory, and have fitted the same in comfortable style as a prison for children under fourteen years of age; and have furnished the new 6th and 10th Precinct Stations with furniture complete, as these Stations were accepted late in December, 1882, too late to be furnished during that year.

During the year the force has increased thirty-one men, and the Board has been obliged to make some additions to nearly all Stations in order to accommodate this increase.

The condition of the Police Court Fund, from which all bills for repairs are paid, has been entirely satisfactory during the year. All claims are paid and the Fund increased \$7,284.43 in twelve months, and now has a credit balance of \$11,983.56.

CLEVELAND, Jan. 2, 1884.

J. W. Schmitt, Superintendent of Police:

DEAR SIR,—During the year ending December 31, 1883, 37,397 emigrants arrived in the city, of whom 31,971 came via the L. S. & M. S. R. R., in 742 cars; 3,494 via N. Y. P. & O. R. R., and 1,922 via Cleveland & Pittsburg R. R.

Four thousand five hundred and fifty-five emigrants settled in the city from different nations, as follows: Germans, 1875; Bohemians, 868; English, 479; Hungarians, 323; Irish, 994, and Italians, 16.

During the year \$53.27 was spent for bread and cheese.

Most of the emigrants stopping in this city had friends here, but those that had no friends, had much difficulty in getting employment.

Respectfully Yours,

HENRY SCHROEDER,

Detective, Union Depot.

ARRIVED IN THE CITY.

Months.	Railroads.			
	L. S. & M.S.	N. Y. P. & O.	C. & P.	Total.
January.....	1870	121	68	1559
February.....	1921	151	82	2154
Marhh.....	8118	864	185	8667
April.....	8960	224	284	4968
May.....	5154	796	462	6482
June.....	5154	454	262	5850
July.....	2618	241	103	2957
August.....	1640	283	112	2035
September.....	2375	242	110	2727
October.....	1738	198	68	2004
November.....	2088	278	112	2423
December.....	990	147	84	1221
Total.....	81971	3494	1922	87397

SETTLED IN THE CITY.

Months.	Germans.	Bohemians.	English.	Hungarians.	Irish.	Italians.	Total.
January.....	72	41	26	17	24	.....	180
February.....	105	89	15	14	22	.....	195
March.....	215	45	84	60	39	.....	393
April.....	340	170	94	68	138	16	821
May.....	278	182	84	28	210	.....	782
June.....	224	98	48	26	221	.....	619
July.....	88	56	28	21	78	.....	263
August.....	112	52	33	15	78	.....	291
September.....	116	42	34	21	58	.....	270
October.....	120	44	26	16	38	.....	244
November.....	114	62	35	24	53	.....	288
December.....	96	42	22	18	35	.....	213
Total.....	1875	868	479	823	994	16	4555

STATISTICAL TABLES.

The following Statistical Tables show the result of the labors of the Force for the year ending December 31st, 1883, in detail.

SALOONS, HOUSES OF ILL-FAME, THIEVES, ETC.

	First Precinct.	Second Precinct.	Third and Fifth Precinct	Fourth Precinct.	Sixth Precinct.	Seventh Precinct.	Eighth Precinct.	Ninth Precinct.	Tenth Precincts.	Total 1883.	Total 1882.	Increase.	Decrease.
Saloons.....	336	137	162	48	95	72	216	89	83	1166	1323	.....	157
Reported houses of ill-fame.....	53	2	3	.....	.....	.....	.....	.....	.....	53	29	29	.....
Reported inmates.....	153	2	4	.....	.....	.....	.....	.....	.....	159	41	118	.....
Reported assignation houses.....	6	3	2	.....	.....	.....	.....	.....	.....	11	14	.....	3
Reported prostitutes in rooms.....	28	10	1	.....	.....	7	.....	.....	.....	46	40	.....	6
Reported gambling houses.....	13	.....	.....	1	.....	.....	1	.....	.....	15	5	10	.....
Reported thieves and suspicious persons.....	23	47	15	.....	.....	28	16	4	.....	138	160	.....	22
Reported resorts for suspicious persons.....	25	1	1	.....	.....	10	2	1	.....	40	26	14	.....
Reported receivers of stolen property.....	.....	.....	1	.....	.....	.....	2	.....	.....	3	2	1	.....
Arrests by precincts.....	3231	529	453	290	344	366	1415	243	333	7254	6741	513	.....

OFFENSES—STATE.

Attempt at blackmail.....	1
Adultery.....	4
Arson.....	2
Assault	3
Assault and battery.....	423
Abortion.....	2
Assaulting.....	5
Assault with intent to kill.....	4
Assault with intent to rob.....	13
Assault with intent to rape.....	4
Burglary	13
Burglary and larceny.....	89
Bigamy... ..	2
Carrying concealed weapons.....	70
Contempt of court	35
Cruelty to animals.....	26
Cutting with intent to wound	14
Cruelty to children.....	2
Destroying property	5
Embezzlemen.....	11
Fergery.....	17
Fornication.....	1
Fugitive from justice.....	10
Grand larceny.....	95
Horse stealing.....	5
House breaking.....	14
Incest.....	1
Incorrigible conduct.....	71
Intoxication	18
Infanticide.....	1
Keeping house of ill-fame.....	6
Keeping gambling room.....	8
Murder.....	2
Manslaughter	2
Maiming.....	3

Obstructing officer.....	24
Obtaining money by false pretenses.....	33
Obtaining property by false pretenses.....	5
Obscene pictures....	6
Petit larceny.....	899
Pocket picking	7
Rape	4
Receiving stolen property	8
Receiving and secreting stolen property.....	10
Resisting officer	17
Robbery.....	16
Reporting false weights.....	2
Selling liquor to minors.....	4
Shooting with intent to kill.....	13
Shooting with intent to wound.....	8
Stabbing with intent to kill.....	1
Selling diseased meat	1
Violating railroad law.....	68
Violating election liquor law.....	1
Violating sanitary law.....	5
Violating Sunday liquor law.....	1
Violating butter law.....	2
Violating lottery law.....	11
Wrongfully using animals.....	17
Total.....	1,617

OFFENSES—CITY.

Assault and battery.....	1
Abusing family.....	32
Careless driving.....	22
Common beggar.....	24
Common prostitutes.....	10
Destroying property.....	51
Disorderly conduct.....	532
Disturbance.....	484
Disorderly houses.....	7
Fast Driving.....	11
Gambling.....	44
Habitual disturbance of the peace.....	8
Habitual drunkard.....	1
Indecent conduct.....	11
Indecent exposure of person.....	19
Intoxication.....	8881
Insane.....	19
Petit larceny.....	4
Residing in houses of ill-fame.....	10
Shooting within city limits.....	2
Suspicious persons.....	114
Vagrancy.....	185
Violating bathing ordinance.....	30
" ball ".....	8
" billiard ".....	8
" boot black ".....	7
" bridge ".....	8
" cabs and hack ordinance.....	7
" express ".....	2
" fire ".....	24
" health ".....	42
" junk ".....	7
" market ".....	5
" milk ".....	9
" music ".....	11

Violating park ordinance.....	4
" peddler's "	80
" public resort "	4
" pound "	6
" property "	92
" railroad "	68
" sidewalk "	206
" street "	44
" Sunday liquor "	41
" street railroad "	12
" smoke "	2
Visiting house of ill-fame.....	5
Violating Water Works ordinance.....	8
Violating weights and measures ordinance.....	14
Total.....	5687

OCCUPATIONS.

Actors.....	10
Agents.....	79
Architects.....	2
Bakers.....	20
Barbers.....	50
Bar tenders.....	59
Beggars.....	15
Blacksmiths.....	99
Boatmen.....	20
Boiler makers.....	76
Bolt makers.....	86
Book binders.....	1
Book keepers.....	14
Boot blacks.....	18
Brakemen.....	34
Brewers.....	19
Brick layers.....	30
Brickmakers.....	5
Butchers.....	69
Cabinet makers.....	25
Carpenters.....	182
Carriage makers.....	2
Cigar makers.....	64
Clerks.....	129
Coachmen.....	11
Coal dealer.....	6
Collectors.....	1
Conductors.....	4
Confectioners.....	4
Contractors.....	13
Cooks.....	82
Coopers.....	86
Doctors.....	16

Drivers.....	18
Druggists.....	8
Engineers.....	58
Expressmen.....	20
Farmers.....	122
Finishers.....	45
Firemen.....	72
Gas fitters.....	12
Gambler.....	8
Gardners.....	14
Grocers.....	22
Hackmen.....	20
Harness makers.....	10
Heaters.....	20
Helpers.....	11
Hostlers.....	61
Housekeepers.....	206
Hotel keepers.....	2
House movers.....	8
Hucksters.....	28
Hatters.....	6
Iron workers.....	16
Junk dealers.....	18
Laborers.....	1945
Lawyers.....	12
Livery keepers.....	9
Machinists.....	188
Masons.....	44
Mechanics.....	41
Merchants.....	41
Ministers.....	1
Midwives.....	1
Moulders.....	162
Musicians.....	21
Newsboys.....	32

No occupation.....	326
Painters	128
Paper hangers.....	6
Peddler's.....	117
Plasters.....	36
Plumbers.....	21
Polishers.....	30
Porters.....	21
Printers	63
Prostitutes.....	118
Puddlers.....	15
Qurarry men.....	20
Railroad men	128
Rolling mill men	98
Roofers.....	24
Sailors.....	312
Saloon keeepers	203
School boys	242
School girls.....	8
Seamstresses.....	16
Servants.....	114
Ship carpenter	19
Shoemakers.....	85
Stone cutters.....	51
Stone masons.....	10
Soap maker.....	1
Tailors.....	45
Teamsters	182
Telegraph operators.....	11
Thieves.....	16
Tinsmiths	24
Tugmen.....	4
Tinkers.....	3
Trunk makers.....	6
Turners.....	2
Teachers.....	3

Undertakers.....	1
Veterinarys.....	2
Wagon makers.....	1
Waiters.....	40
Washwomen.....	8
Wire weavers... ..	3
Whitewashers.....	22
Wire Workers.... .	7
Well diggers.....	2
<hr/>	
Total	725 ⁴

NATIVITY.

Australia	2
Austria	18
Belgium	1
Bohemia	176
Canada	277
Denmark	9
England	895
France	81
Germany	208
Holland	19
Hungary	46
Heligoland	2
Ireland	1,250
Isle of Man	9
Italy	36
Norway	5
Nova Scotia	3
New Brunswick	4
Poland	57
Russia	15
Spain	1
Scotland	115
Sweeden	55
Switzerland	25
United States	3,677
Wales	35
Total	7,254

DISPOSITION OF CASES.

Ball forfeited	25
Bound over	151
Costs	874
Discharged	502
Dismissed	57
Dismissed at cost of prosecution	6
Dismissed for want of prosecution	32
Dismissed on payment of costs	157
Fine and costs and committed until paid	4,090
Fine and costs and Workhouse	811
House of Refuge and Correction	114
Nolle Prosequi	289
Remanded to authorities from abroad	25
Remanded to United States authorities	4
Sent to city prison	1
Sent to Infirmary	9
Turned over to Sheriffs	3
Turned over to friends	4
Undisposed of	15
Total	7,254

SOCIAL CONDITION, EDUCATION, ETC.

MONTHS.	Social Cendit'n.		Educa- tion.		Sex.		Males.		Females.		Color.		Total.
	Married.	Single.	Can Read and Write.	Cannot Read and Write.	Males.	Females.	Married.	Single.	Married.	Single.	White.	Colored.	
January. ...	196	274	434	36	433	87	174	259	22	15	460	10	470
February....	163	206	342	27	332	87	147	185	16	21	360	9	369
March.....	213	239	415	37	404	48	179	225	84	14	443	9	452
April.....	189	282	424	47	419	52	162	257	27	25	457	14	471
May.....	209	383	529	63	529	63	181	348	28	35	572	20	592
June.....	213	341	505	49	499	55	183	316	30	25	537	17	554
July.....	250	455	631	74	639	66	215	424	35	31	685	20	705
August.....	292	464	706	50	680	76	253	427	39	37	736	20	756
September..	307	496	783	70	710	93	261	449	46	47	775	28	803
October.....	262	473	678	57	677	58	233	444	29	29	712	23	735
November...	242	419	587	74	612	49	220	392	22	27	652	9	661
December...	275	411	623	63	609	77	241	368	84	43	667	19	686
Total....	2811	4443	6607	647	6533	711	2449	4094	362	349	7056	193	7254

TOTAL OF ARRESTS FOR PAST SIX YEARS.

1878.....	7,151
1879.....	6,549
1880.....	7,432
1881.....	7,465
1882.....	6,741
1883.....	7,254

AGES.

Months.	Under Ten.	Ten to Fifteen.	Fifteen to Twenty.	Twenty to Thirty.	Thirty to Forty.	Forty to Fifty.	Fifty to Sixty.	Sixty and over.	Total.
January.....	1	14	62	169	114	70	24	16	470
February.....		13	35	123	94	61	29	14	369
March.....		29	47	156	111	75	26	8	452
April.....		26	71	158	119	61	26	10	471
May.....	5	22	102	210	117	90	26	20	592
June.....	3	24	63	200	116	93	38	17	554
July.....	8	51	96	238	161	109	24	18	705
August.....	3	29	83	280	193	114	38	16	756
September.....	6	32	95	294	185	114	49	28	808
October.....	3	24	109	256	189	106	36	12	735
November.....	2	40	82	242	143	89	41	22	661
December.....		12	78	263	163	100	56	14	686
Total.....	81	316	923	2589	1705	1082	418	195	7254

SENT TO WORKHOUSE AND HOUSE OF REFUGE AND
CORRECTION.
1883.

MONTHS.	WORKHOUSE.			HOUSE OF REFUGE AND CORRECTION.			Total Work- House and House of Correction.
	Males.	Fem'l's	Total.	Males.	Fem'l's	Total.	
January.	104	11	115	5	0	5	120
February.....	68	10	78	11	0	11	89
March.....	85	15	100	6	0	6	106
April.....	79	17	96	6	1	7	103
May.....	90	28	118	8	1	9	127
June.....	103	18	121	5	0	5	126
July.....	90	20	110	10	2	12	122
August.....	118	27	140	7	3	10	150
September.....	122	34	156	4	2	6	162
October.....	124	27	151	20	0	20	171
November.....	180	24	154	16	1	17	171
December.....	141	27	168	5	1	6	174
Total.....	1,249	258	1,507	103	11	114	1,621

1882.

Sent to Workhouse.....	1,514
Sent to House of Refuge.....	60
Total.....	1,574

LODGERS.

MONTHS.

January	210
February	401
March	768
April	639
May	846
June	58
July	54
August	62
September	112
October	244
November	430
December	1,170
Total	4,494

LODGERS FOR PAST NINE YEARS.

1875	14,645
1876	4,874
1877	4,861
1878	2,331
1879	1,751
1880	1,237
1881	1,504
1882	2,200
1883	4,494

**MISCELLANEOUS WORK PERFORMED BY POLICE DE-
PARTMENT.**

Accidents Reported.....	208
Articles " lost	185
" found	203
Children Reported as lost.....	278
Children found	278
Complaints received and given proper reference...	1,008
Dead Animals reported	1,290
Doors found open	478
Estray animals reported.....	258
" " found	228
Fires reported	841
Persons reported missing.....	169
Runaways reported	77
Telephone messages copied and filed.....	3,070

PROPERTY REPORTED STOLEN AND RECOVERED.

Months.	Stolen.	Recovered.	Per cent. Recovered.
January	\$2,898 70	\$1,654 40	
February	1,152 00	748 20	
March	1,100 00	585 86	
April	1,875 00	953 25	
May	1,140 50	602 25	
June	2,213 50	1,609 05	
July	1,785 50	527 50	
August	2,354 50	205 70	
September	1,679 75	1,127 50	
October	2,960 75	1 472 00	
November	1,803 60	2,078 25	
December....	803 00	617 00	
Total	21,266 80	12,180 46	57 22-100

FINES AND COSTS COLLECTED.

Months.	Collected by Superintend't of Police.	Collected by Superintend't of workhouse.	Grand Total.
January.....	\$ 2,248 27	737 88	
February.....	1,736 40	495 18	
March.....	1,827 92	10,10 10	
April.....	1,569 13	680 40	
May.....	1,790 75	447 64	
June.....	2,219 70	815 93	
July.....	2,736 68	926 60	
August.....	2,689 53	732 21	
September.....	3,320 71	719 98	
October.....	2,517 52	470 83	
November.....	1,996 61	534 65	
December.....	1,896 91	659 40	
Total.....	2,6540 13	\$8,229 80	\$ 34,769 93
Fines and costs collected in 1880\$ 20,451 49			
" " " " 1881 36,347 95			
" " " " 1882 42,991 49			
" " " " 1883 34,769 98			

" Planing Mills
" Cooper Shops

22

23

2

1

6

1

5

2

12

6

" Planing Mills	12	2	5					1	2			22
" Cooper Shops	6		4	1	3			7	9	5		84
" Oil Works	7		8	1	10			1	3			80
" Passenger Depots	5		2	2		3			1			13
" Freight Depots	6		1	1		3		1	1			13
" Deaf and Dumb Adults		5	1			1		5	2			14
" Deaf and Dumb Children		1	2	1		1		1	3			9
" Blocks, Manufacturing	196	3	1		5	1		25	1	4	236	275
" " Tenement and Offices	155	32	54	5	1	13		55	5	15	335	742
" Theatres	4				2	1					7	6
" Rinks	1			1							2	2
" Public Parks	2	1	1	1		1		1	1		8	
" Slaughter Houses			5					1	10	2	18	21
" Ship Yards	1							4			5	6
" Vessels at Docks	130				8				9		139	182
" Vacant Houses	32	65	210	136	53	141		166	35	68	936	608
" Blocks under construction	7	4	2		3	1		2	1		20	14
" Houses under construction	5	17	77	60	29	9		17	34	24	272	290
" Paper Mills			2								2	
" Home for Aged Women				1							1	
" Colleges				1							1	

Census January 1, 1880	158,207
" " 1881	167,413
" " 1882	185,851
" " 1883	194,684
" " 1884	200,429

SPECIAL PATROLMEN APPOINTED DURING 1883.

Names.	Where Stationed.	Date of Appointm't.
J. W. McVicker.....	District Messenger Co.....	Jan. 8th.
Michael Collins.....	" " "	" 8th.
Anthony Starum.....	Old River Bed.....	" 24th.
P. J. Anthony.	Fire and Accident Co.	" 24th.
P. Donnelly.....	Old River Bed.....	" 24th.
Geo. Wilson.....	Pearl and Lorain streets.....	Feb. 10th.
Edward O'Mally.....	Broadway, 18th Ward	" 10th.
George Kessler.....	St. Peter's Church.....	" 16th.
Peter Kadel.....	Merwin and Center streets.....	Mch. 20th.
M. Gates.....	Pearl and Lorain Streets.....	Apr. 12th.
Samuel Rossiter.....	Euclid avenue.....	May 10th.
O. J. Pressley	Pearl and Lorain streets	" 15th.
H. Roemer.....	Woodland avenue	" 29th.
A. McAdams.....	Theatre Comique.....	June 12th.
Leonard Geltz	Franklin avenue.....	" 12th.
John Nash	Merchants' Foundry.....	" 19th.
W. C. Shuart.....	District Messenger Co.....	" 25th.
John Mackin.....	Lorain street	July 2d.
B. DePerow	Bathing house.....	" 10th.
J. M. Mudge.....	Woodland and Broadway....	Aug. 7th.
Geo. Eugert.	Central Flats....	" 17th.
Terance Dailey.....	Monroe Bros, & Co.....	Sept. 4th.
John Chaudler	Infirmery..	" 4th.
Wm. Rodgers	East River and Front streets.....	" 18th.
J. K. Ridley	Broadway, 18th Ward	Oct. 2d.
E. V. Grimes	District Telegraph Co.....	" 2d.
Chas. Streets	Sturtevant Lumber Co	" 2d.
L. D. Cottrell	J. A. Beidler & Co.....	" 19th.
G. W. M. Day.....	Park Theatre.....	" 19th.
James Duggan	Nickel Plate Depot.....	" 26th.
Jacob Schumaker.....	Franklin and Pearl streets.....	Dec. 18th.
A. E. Pratt.....	Salvation Army.....	" 24th.
J. R. Knight	Broadway, 18th Ward.....	" 24th.

FINANCIAL.

The attention of the Honorable City Council is respectfully called to the financial condition of this Department as given in detail on another page of this report.

Since our last report was in print the Legislature enacted what is usually known as the "Scott Law" and one of its results is to leave a large balance in the City Treasury to the credit of police fund.

The tax levy for Police purposes of $1\frac{1}{2}$ mills, for 1884, was based on a force of 175 men but as soon as the "Scott" money was paid to City Treasurer the Board answered the call for "more police" by appointing 31 additional men whose salaries will increase the expenses of the Department in 1884 at least twenty five thousand dollars, which is not provided for by tax levy. Transfers from Police Fund if any are made should be with a clear understanding on this point.

The Board have paid from Police Court, Pension and Contingent Funds, more than an average during the year, but the receipts have been so satisfactory that each shows, a good healthy gain during the twelve months ending with this date.

PROPERTY REPORTED STOLEN AND RECOVERED FOR TEN YEARS.

	Stolen.	Recovered.	Per cent. Recovered.
1874.....	\$35,559 83	\$17,856 57	50 75
1875.....	50,109 77	29,273 85	58 41
1876.....	84,762 72	24,055 23	69 20
1877.....	87,677 97	80,052 60	79 76
1878.....	29,781 48	23,595 95	80 88
1879.....	21,068 25	18,075 25	62 06
1880.....	28,780 90	24,918 40	86 56
1881.....	185,880 75	124,508 09	91 68
1882.....	45,808 55	22,120 82	47 72
1883.....	21,266 80	12,180 46	57 22

COST OF POLICE DEPARTMENT FOR THE PAST ELEVEN YEARS.

1873.....	\$158,299 18
1874.....	162,770 28
1875.....	168,802 68
1876.....	152,508 80
1877.....	149,459 88
1878.....	145,184 54
1879.....	180,999 88
1880.....	182,802 61
1881.....	188,444 40
1882.....	148,089 10
1883	162,589 20

Finally, the Board take a just pride in commending this report and accompanying statistical tables to the consideration of the Honorable City Council and citizens generally, confident that a perusal will convince all that the affairs of the department under its charge have been faithfully and economically administered.

By order of the Board,
THOMAS KING, *Secretary.*

POLICE FUND.

1883		
Jan'y 1, To on hand.....	\$4,100 08	
Dec. 31, " receipts from tax levy.....	150,249 25	
" 31, " Scott tax.....	77,011 95	
" 31, " dog tax.....	5,201 00	
" 31, " music permits.....	898 00	
" 31, " miscellaneous.....	214 65	237,174 93
Dec. 31, By paid salaries.....	153,788 11	
" 31, " paid miscellaneous.....	8,801 09	
" 31, " on hand.....	74,585 73	\$237,174 93

POLICE COURT FUND.

1883		
Jan'y 1, To on hand	\$4,704 13	
Dec. 31, " receipts.....	19,694 82	24,398 95
Dec. 31, By disbursements	12,410 39	
" 31, " on hand	11,988 56	\$24,398 95

CONTINGENT FUND.

1883		
Jan'y 1,	To on hand	\$6,798 36
Dec. 31,	" received for service of writs.....	2,709 98
" 31,	" cash returned	529 38
" 31,	" interest	280 85
" 31,	" sales hats, etc.....	117 84
" 31,	" gain on sales of cloth	53 60
		<u>10,439 57</u>
Dec. 31,	By disbursed.....	2,210 06
" 31,	" on hand	8,229 51
		<u>\$10,439 57</u>

INVENTORY.

In city bonds.....	\$5,000 00
In savings bank	2,417 79
In cash.....	203 61
In cloth.....	554 11
Total.....	<u>\$8,229 51</u>

POLICE PENSION FUND.

1883.		
Jan'y 1,	To on hand.....	\$10,348 42
Dec. 31,	" received for service of writs.....	1,854 99
" 31,	" received for witness fees.	2,966 62
" 31,	" received for sales.....	244 91
" 31,	" 31 specials.....	155 00
" 31,	" interest.....	451 03
" 31,	" 15 per cent of rewards.....	879 74
" 31,	" fines.....	183 83
		<u>16,084 04</u>
Dec. 31,	By paid T. Hoban.....	500 00
" 31,	" paid H. M. Holzworth....	281 50
" 31,	" paid premium on bonds.....	40 00
" 31,	" on hand.....	15,262 54
		<u>\$16,084 04</u>

INVENTORY.

In city bonds.....	\$8,000 00
In city treasury	522 82
In saving and loan.....	4,873 88
In Society for Savings.....	1,865 84
Total.....	<u>\$15,262 54</u>

REWARDS.

1883.		
Dec. 31, To received for extra duty.....	\$2,531 60	2,531 60
Dec. 31, By paid 85 per cent. to men.....	2,151 86	
" 31, " paid 15 per cent. to pensions	379 74	\$2 531 60

CLOTH ACCOUNT.

1883.		
Jan'y 1, To on hand	\$714 53	
Dec. 31, " purchased.....	1,602 52	
" 31, " gain on sales.....	58 66	2,370 71
Dec. 31, By sales.....	1,816 60	
" 31, " on hand.....	554 11	2,370 71

MUSIC PERMITS.

1883.		
Dec. 31, To issued 199 at \$2.00.....	\$398 00	398 00
Dec. 31, By paid city treasurer.....	398 00	\$398 00

RELIEF FUND.

1888.		
Mar. 15, To received from sale of tickets.....	\$475 90	
Dec. 81, " interest.....	14 77	490 67
Dec. 81, By in savings bank.....	490 67	\$499 67

RECAPITULATION.

During the year the force has increased 31 men. .

" " " Police Fund gained.....	\$70,485 65
" " " Police Court Fund gained.....	7,284 43
" " " Police Pension Fund gained.....	4,914 12
" " " Contingent Fund gained.....	1,431 15
" " " Relief Fund gained.....	490 67
" " " Cloth account gained.....	53 66

Each Fund is free from any back indebtedness.

ANNUAL REPORT
OF THE
PROCEEDINGS
OF THE
POLICE COURT
OF THE
CITY OF CLEVELAND,
FOR THE
YEAR ENDING DECEMBER 31, 1883.

POLICE COURT REPORT.

Report of the proceedings of the Police Court of the City of Cleveland, Ohio, for the year ending December 1, 1883.

To the Honorable the City Council of the City of Cleveland :

NUMBER OF PERSONS ARRAIGNED.

In City Cases.....	\$5,460	
In State Cases.....	1,858	
In State Examinations.....	284	
Total Number		\$7,102

NUMBER OF PERSONS COMMITTED.

City Cases.....	To the Workhouse.....	\$1,122	
State "	" "	873	
City "	" Central Police Station	253	
Children	" House of Refuge and Correction.....	111	
	Total number.....		\$1,859

COMMITTMENTS IN DAYS.

City Cases.....	To the Workhouse	\$15,190	
State "	" "	8,662	
City "	" Central Police Station	5	
State "	" House of Refuge and Correction	30	
	Total number		\$23,887

FINES AND COSTS ASSESSED.

City Cases.....	Amount of fines	\$24,689 01	
" "	" " costs	8,229 48	
" "	" " fines and costs overpaid	8 58	
" "	" paid for search made on warrants...	4 80	
" "	Amount of fines and costs collected during the year, which were assessed in months prior to the months in which collections were made	350 08	
	Total in City Cases		\$33,281 90
State Cases ..	Amount of fines	\$11,080 50	
" "	" " costs	8,080 14	
" "	" " fines and costs overpaid	1 07	
" "	" " costs paid upon State examinations	87 75	
" "	Amount of fines and costs collected during the year, which were assessed in months prior to the months in which collections were made	300 71	
	Total in State Cases		19,510 17
	Grand Total in City and State Cases..		\$52,792 07

DISPOSITION OF FINES AND COSTS ASSESSED.

City Cases.....	Amount to City Treasurer.....	\$14,914 91	
" "	" " Police Commissioners.	1,497 89	
" "	" " Pension Fund.....	2,458 90	
" "	From officers' witness fees .....\$1,710 00		
" "	" one-third of Marshal's fees.... 748 90		
" "	Amount of fines upon Commitments to Workhouse.....	10,576 00	
" "	Amount of costs upon Commitments to Workhouse.....	1,921 14	
" "	Amount of fines upon Commitments to Central Police Station.....	716 50	
" "	Amount of costs upon Commitments to Central Police Station.....	223 25	
" "	Amount of fines and costs uncollected.....	883 78	
" "	Amount of costs in cases dismissed.....	136 80	
" "	Amount of costs remitted by the court.....	155 65	
" "	Amount of costs in cases nolle.....	77 50	
" "	Amount of fines and costs in cases pending in Petition in Error.....	265 58	
" "	Amount of costs in cases where bond was forfeited.....	4 00	
	Total in City cases.....		\$33,281 90
State Cases....	Amount to County Treasurer.....	7,567 33	
" "	Amount to Cleveland Humane Society.....	101 00	
" "	Amount fines upon commitment to Workhouse.....	7,066 50	
" "	Amount costs upon commitments to Workhouse.....	2,675 67	
" "	Amount fines and costs uncollected.....	591 65	
" "	Amount fines and costs pending upon Petition in Error.....	583 45	
" "	Amount costs in cases dismissed.....	687 83	
" "	Amount costs in cases nolle.....	198 61	
" "	Amount fines and costs remitted.....	20 81	
" "	Amount fines and costs upon commitments to the House of Refuge and Correction.....	17 82	
	Total in State cases.....		\$19,510 17
	Grand total in City and State cases.....		52,792 07

STATE EXAMINATIONS.

Amount of costs in cases where defendants were bound over to the Court of Common Pleas.....	\$1,982 12	
Amount costs in cases dismissed.....	218 96	
Amount costs in cases nolle.....	128 80	
Total amount.....		\$2,274 88

WITNESSES' AND JURORS' FEES.

Amount certified during year—		
To the Auditor of Cuyahoga county.....	\$3,702 78	
“ “ City of Cleveland.....	706 50	
Total amount.....		\$4,409 28

CASH COLLECTED AT THE CENTRAL POLICE STATION FOR FINES
AND COSTS DURING THE YEAR 1883.

Month of January.....	\$2,248 27	
“ “ February.....	1,786 40	
“ “ March.....	1,827 92	
“ “ April.....	1,569 18	
“ “ May.....	1,790 75	
“ “ June.....	2,219 70	
“ “ July.....	2,736 68	
“ “ August.....	2,689 58	
“ “ September.....	3,820 71	
“ “ October.....	2,517 52	
“ “ November.....	1,898 81	
“ “ December.....	1,996 61	
Total amount.....		\$26,540 03

DISPOSITION OF THE CASH COLLECTED AT THE CENTRAL POLICE
STATION DURING THE YEAR 1888.

Paid to the Treasurer of Cuyahoga county	\$ 7,587 88	
Paid to the Treasurer of the City of Cleveland	14,914 91	
Paid to the Board of Police Commissioners....	1,497 89	
Paid to the Police Pension Fund	2,458 90	
Paid to the Cleveland Humane Society	101 00	
Total amount		\$26,540 08

RECAPITULATION OF CITY CASES.

Intoxication.....	3,356
Disorderly conduct.....	495
Disturbance.....	397
Violating sidewalk ordinance.....	200
Vagrancy.....	172
Suspicious persons.....	102
Violating property ordinance.....	79
Violating railroad ordinance.....	60
Destroying property.....	53
Violating Sunday liquor ordinance.....	43
Violating health ordinance.....	41
Violating street ordinance.....	39
Violating bathing ordinance.....	31
Abusing family.....	29
Visiting gambling rooms.....	28
Violating peddlers' ordinance.....	27
Violating street rail road ordinance.....	24
Violating fire arms ordinance.....	21
Careless driving.....	19
Common beggar.....	17
Indecent conduct.....	16
Indecent exposure of person.....	16
Violating exhibition ordinance.....	14
Violating music ordinance.....	12
Fast driving.....	12
Violating weight and measure ordinance.....	11
Violating water works ordinance.....	10
Common prostitute.....	10
Violating milk ordinance.....	9
Violating ball ordinance.....	9
Residing in house of ill fame.....	9
Gambling.....	8

Keeping disorderly house.....	7
Violating bridge ordinance.....	7
Violating junk ordinance.....	6
Violating pound ordinance.....	6
Violating market ordinance.....	5
Violating smoke ordinance.....	5
Visiting house of ill fame.....	5
Keeping gambling rooms.....	5
Violating fire alarm ordinance.....	4
Violating park ordinance.....	4
Violating bootblack ordinance.....	4
Violating billiard ordinance.....	4
Violating news boys' ordinance.....	3
Violating hack ordinance.....	3
Soliciting passengers.....	3
Using false measures.....	2
Violating express ordinance.....	2
Violating sanitary ordinance.....	2
Violating Sunday ordinance.....	2
Habitual disturber of the peace.....	2
Violating bread ordinance.....	1
Violating waiter girl ordinance.....	1
Violating fire ordinance.....	1
Violating runners ordinance.....	1
Shooting in city limits.....	1
Street nuisance.....	1
Indecent language.....	1
Habitual drunkard.....	1
Willfully removing property.....	1
Taking boat without permission of owner.....	1
Total number.....	<hr/> 5,460

RECAPITULATION OF STATE CASES.

Assault and battery.....	427
Petit larceny.....	391
Violating railroad laws	80
Carrying concealed weapons.....	76
Incorrigible conduct.....	69
Contempt of Court.....	34
Obtaining money by false pretenses.....	33
Cruelty to animals.....	29
Larceny, receiving and concealing stolen property.....	29
Intoxication.....	25
Obstructing officer.....	21
Resisting officer.....	15
House breaking in day time.....	12
Wrongfully using a horse.....	12
Assault.....	10
Gambling	9
Selling ticket in lottery.....	8
Embezzlement.....	7
Destroying property.....	7
Refusing to aid officer.....	6
Obtaining goods by false pretenses.....	4
Selling intoxicating liquor to minors.....	4
House breaking and larceny.....	4
Adultery	4
Violating lottery law.....	3
Having in possession obscene literature.....	3
Keeping house of ill fame.....	3
Receiving and concealing stolen property.....	3
Reporting false weights.....	2
Violating butter law	2
Receiving stolen property.....	2

Maliciously injuring property.....	2
Breaking into railroad law.....	2
Violating sanitary law	2
Keeping gambling room.....	2
Disturbing religious meeting.....	1
Indecent conduct.....	1
Indecent exposure of person.....	1
Cruelty to minor child.....	1
Violating election law.....	1
Wrongfully using a mare.....	1
Complaint to keep the peace.....	1
Selling diseased animal.....	1
Circulating obscene literature.....	1
Verbal libel.....	1
Pointing and aiming fire arm.....	1
Assaulting officer.....	1
Fornication.....	1
Suffering gambling upon premises.....	1
Wrongfully using a gelding.....	1
Violating Sunday liquor law.....	1
<hr/>	
Total amount.....	1,358

RECAPITULATION OF STATE EXAMINATIONS.

Grand larceny	87
Burglary and larceny	49
Robbery	16
Cutting with intent to wound	16
Assault with intent to rob	13
Forgery	12
Burglary	11
Shooting with intent to kill	11
Pocket picking	7
Fugitive from justice	7
Embezzlement	5
Horse stealing	5
Shooting with intent to wound	5
Rape	4
Assault with intent to rape	4
“ “ “ kill	4
Attempt to blackmail	3
Larceny, receiving and concealing stolen property	3
Murder	3
Abortion	3
Obtaining money by false pretenses	3
Uttering and publishing forged check	2
Maiming	2
Bigamy	2
Arson	2
Uttering forged instrument	1
Aiding and abetting murder	1

POLICE COURT REPORT.

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Manslaughter.....	1
Murder in second degree.....	1
Throwing vitriol with intent to injure.....	1
<hr/>	
Total number.....	284

Respectfully submitted,

WM. BAXTER,
Clerk of Police Court.

ELEVENTH
ANNUAL REPORT
OF THE
HEALTH DEPARTMENT
OF THE
CITY OF CLEVELAND,
FOR THE
YEAR ENDING DECEMBER 31, 1883.

G. C. ASHMUN, Health Officer.

Officers.

JOHN FARLEY,
Mayor and President of Board.

G. C. ASHMUN,
Health Officer.

WM. H. FARRAND,
Secretary.

MEMBERS OF THE BOARD OF HEALTH,

AND WHEN THEIR TIME EXPIRES.

JOHN FARLEY.....	Ex-officio Member
WM. H. HUMISTON, M. D.....	1884
CHAS. C. DEWSTOE, Plumber.....	1884
W. J. SCOTT, M. D.....	1885
ALBERT J. COOK, M. D.....	1885
W. T. CORLETT, M. D.....	1886
F. FLIEDNER, M. D.....	1886

STANDNIG COMMITTEES FOR 1883.

RULES AND REGULATIONS—W. J. Scott, C. C. Dewstoe and Wm. T. Corlett.

MEN AND DICIPLINE—F. Fliedner, W. T. Corlett and W. J. Scott.

SANITARY AFFAIRS—A. J. Cook, W. J. Scott and F. Flledner.

PEST HOUSE AND PRISONS—Wm. H. Humiston, A. J. Cook and C. C. Dewstoe.

PUBLIC BUILDINGS, HOSPITALS AND SEWERS—W. T. Corlett, F. Flledner and Wm. H. Humiston.

• FINANCE AND ACCOUNTS—C. C. Dewstoe, W. H. Humiston and A. J. Cook.

EMPLOYES.

GEO. ANDERSON, Inspector of Sewers.

SMALL-POX HOSPITAL AND FARM.

CHAS. KOHLMAN, Steward.

MRS. CATH. KOHLMAN, Matron.

SANITARY POLICE.

No. 1.	C. C. RAND.....	Walworth Run and Slaughter House
No. 2.	H. F. BEAKEL.....	14th and 18th wards
No. 3.	A. G. JONES.....	1st and part of 4th wards
No. 4.	ALLEN ARMSTRONG.....	8th, 9th and 10th wards
No. 5.	JAS. W. DWYER.....	2d and 3d wards
No. 6.	J. McLAREN.....	5th and 7th wards
No. 7.	F. SCHNAUFFER.....	11th, 12th and 13th wards
No. 8.	T. W. BROWN.....	6th and part of 4th wards
No. 9.	F. E. NEWCOMB.....	15th, 16th and 17th wards

DISTRICT PHYSICIANS.

RULE V—DUTIES OF DISTRICT PHYSICIANS.

SEC. 4. It shall be the duty of the District Physicians to keep regular office hours in their respective offices, (which offices shall be in their respective wards) for the purpose of treating the poor—from 9 to 10 A. M. and 3 to 4 P. M.

FIRST PRECINCT—G. C. Russell, Office 303 Euclid Avenue.

From the Lake shore along Erie street to Cross street, along Cross street to the River, up the River to the N. Y. P. & O. R. R. track, along said track to Tracy street to the River, along the River to the Lake shore, along the Lake shore to Erie street.

SECOND PRECINCT—WM. C. CRAVEN, Residence 54 Huntington street, Office 611 St. Clair street.

From the Lake shore along Erie street to Euclid avenue, along Euclid avenue to Case avenue, along Case avenue to the Lake shore, along the Lake shore to Erie street.

THIRD PRECINCT—G. A. ORWIG, Office 273 Woodland avenue.

From Euclid avenue along Erie street to Cross street, along Cross street to Cuyahoga river, up Cuyahoga river to the N. Y. P. & O. R. R. track, along the track to Kingsbury Run, up Kingsbury Run to Willson avenue, along Willson avenue to Garden street, along Garden street to Hayward street, along Hayward street to Prospect street, along Prospect street to Fern alley, along Fern alley to Euclid avenue, along Euclid avenue to Erie street.

FOURTH PRECINCT—R. BELL, Office corner Pearl and Detroit streets, all of 8th, 9th and 10th wards.

FIFTH PRECINCT—F. J. MORTON, Office 1066 Pearl street, all of 11th, 12th and 13th wards.

SIXTH PRECINCT—F. C. FRANKE, Office 14th ward at G. A. Hechler's drug store, 774 Broadway, afternoon.

15th ward, at O. F. Lohman's drug store, 600 Woodland avenue, morning.

Office and residence, corner Woodland avenue and Forest street.

SEVENTH PRECINCT—L. S. CHADWICK, Office 1930 Euclid avenue, and at 1589 Euclid avenue.

From the Lake shore along Case avenue to Euclid avenue, along Euclid avenue to Fern alley, along Fern alley to Prospect street, along Prospect street to Hayward street, along Hayward street to Garden street, along Garden street to Willson avenue, along Willson avenue to Quincy street, along Quincy street to the city limits, east, along the city limits to the Lake shore, north, along the Lake shore to Case avenue.

EIGHTH PRECINCT—F. B. NORTON, Office corner Broadway and Waller street, all of 18th ward.

Eleventh annual report of the Secretary of the Board of Health for the year ending December 31st, 1883. Approved by the Board at its session March 12th, 1884, and he was instructed to forward the same to the City Council, with a request that it be printed.

By order of the Board.

W. H. FARRAND, *Secretary.*

JOHN H. FARLEY,

President.

GEO. C. ASHMUN, M. D.,

Health Officer.

HEALTH OFFICER'S REPORT.

Hon. Board of Health:

GENTLEMEN,—The care of and for the health of the people continues to be an important part of this city's affairs. During the year just closed, the methods for preserving and increasing sanitary conditions throughout the city, have not been changed materially in form, but improved in detail. The measures looking to the prevention of disease are becoming more practical. Sickness often prevails where sanitary conditions are chiefly good, but the death rate from such sickness, under such conditions, is reduced to its possible minimum; therefore the "death rate" does not always indicate the amount of sickness.* It is true, however, that in choosing a place for continued residence, there is no better guide to its safety to health, than its proportionate "death rate." In this connection it is gratifying to present you with the report of a low "death rate" in this city during the year. With the census taken by the Police Department in January as a basis (194,625), and the total number of deaths, as reported to the Secretary, to be three thousand three hundred and ninety-nine (3,399), the rate per thousand of population for the year becomes 17.41. This shows a decrease of one per thousand, as compared with the year previous. In comparison with other cities of about the same population, it is found that few, if any, present so good a showing.

No diseases have prevailed in epidemic form, and no ward or division of the city, has suffered markedly in comparison with the rest. It still remains true that nearly one half (1618) of all deaths occur among children less than five years old. Repeated investigation of the causes operating to produce such results, convinces me that *ignorance* and *neglect* on the part of parents and guardians, are the first and most active. No general sanitary regulations, ordinances and laws, however well enforced, can take the place or overcome the results of a failure of parental care. For this reason, to reach and remove the chief causes of the great infant mortality of cities, the *education* of parents, and the children who in time are to become parents how to live so as to avoid sickness, becomes an important sanitary indication. It is highly probable that only so far as the efforts of municipal officers and others results in the education of people, are sanitary conditions materially advanced. For the vicious and ignorant, law and penalties for its disregard are required. For the intelligent and right-minded, suggestion and prompting only, to overcome forgetfulness and bad habits. It has been the custom of this office to furnish the seekers for information, whether as news gatherers or otherwise, the fullest possible opportunity to secure items of interest connected with the Department. And the interest of all classes of citizens in sanitary matters has apparently increased. They are alert and watchful in regard to their own, their neighbors, and the city's defects. It is a favorable sign that this office receives prompt notification from citizens of the omission and commission of acts endangering the health and sanitary comfort of the people.

The returns made to the Secretary show a large number of births during the year (6,177). This is a large proportion for the population as compared with the number of deaths. It is believed that the apparent rate of increase, as compared with other years, is partly the result of more careful collec-

tion of such returns. But the fact remains that the city has gained by "natural increase" alone about *twenty seven hundred*. This indicates a vigorous "vital movement," encouraging for the future of this community. It may be seen by reference to a table in the Secretary's report, that there has been reported to him *eight hundred and forty-seven* cases of *diphtheria and croup* during the year, with three hundred and forty-eight deaths, a percentage of deaths of 41. In connection with this disease, it is noticeable how rarely in this community the colored race are affected by it. During the last three years there has been but *one death*, and only three or four cases reported. It certainly cannot be attributed to their improved conditions as compared with the rest of our population. Next to diphtheria, among zymotic diseases, *typhoid fever* has caused the greatest number of deaths—*one hundred and five*. What the relative proportion of deaths to cases occurring, cannot be determined, as it has been obvious that many cases were not reported by the physicians in charge. As the record stands, about ten of every twelve affected died—a record of results not to be credited, for the reason given. The total number of deaths reported from zymotic diseases was one thousand and eighty-one (1,081), a percentage of the whole number of deaths of 31.80, and a decrease from the year preceding of one hundred and sixty-seven (167).

Various subjects of importance have been presented for consideration and action during the year, but none of more importance to the city at large, than that of establishing ponds for various purposes, within the city's boundaries, and near the dwellings of people. It has been the custom since the city's infancy, to form ponds, and no matter for what other purposes used, to gather ice from them, as the demand for it might suggest. When first formed, these ponds were commonly not in districts thickly populated. As the city has extended its boundaries and increased in population, these ponds have come to be more or less surrounded by the dwellings, manufactories and

business places of the people. Also, as the demand for ice has come to be great, new ponds have been formed from year to year, and all of value chiefly for the ice they furnish. As a natural result of population and business, these places where water is caused to become stagnant, receive filth, and the water and ice becomes filthy. In later years, the water has been allowed to drain away in the spring, summer and autumn months, leaving the surface covered with the deposit of about three months of winter stagnation. In view of the fact that, practically, new ponds were formed in all these places each year, by the closure of dams, etc., an effort was made during the autumn, to regulate the formation of these ponds within the city, by establishing a rule, requiring all persons contemplating the formation of a pond, or ponds, to first obtain a "permit" from the Board to do so. The application for such a permit, must state the location, source of water supply, and purpose for which the ice is to be used. Under the operation of this rule, several applications were received for ponds in localities where injurious effects had been complained of, and remonstrated against by the people living near. These applications were refused. Two applicants thus refused, proceeded to establish their ponds without regard to the action of the board. Action was brought against them in Police Court, in the name of the State. The testimony offered was to the effect that, injurious and offensive gases arose from the ground where these ponds were, during the summer after the water was drained off. No testimony was offered by the defense. The jury returned a verdict for the State, and the case was appealed to the Court of Common pleas. No issue was made upon the subject of the quality of the ice obtained, as it was conceded that the ice was used for refrigerators and not for domestic purposes. The questions presented by this case for the Court to decide, were chiefly, *first*: Is the party who establishes a pond of impure water, responsible for the ill-effects of the impurity, to which he is not a contributor? *Second*:

When a stream of impure water is stopped, or otherwise caused to become stagnant, deposits material which would otherwise be carried away quickly, does not the party causing the stagnation become responsible for a share of the injurious effects? These are practical questions, and have a direct bearing upon this subject. The fact that the city itself has contributed to the pollution of the water forming the ponds at issue, was brought forward in argument, and was felt to be an addition to the difficulties of the case.

Much time and labor has been given to the inspection of schools and school buildings. It involves much labor and time, and with no authority to remedy evils found to exist, it is labor without much present improvement. The chief of all the evils, at the present time, is the over crowding of school rooms. Children and teachers are poisoned daily, in many rooms. The vitality and development of children, especially in many of the so-called "primary" schools, are being impaired almost beyond hope of recovery. All arguments in favor of education, must start with the admission that with it no bodily harm must be allowed. This is not the case in this city, as pale faces and puny bodies testify. And the great want to remedy it, is a full supply of pure air. The attainment of educated faculties, and strong, well developed bodies, at the same time, is possible. The newer school buildings are great improvements over the older. But most so-called relief buildings, and the rented rooms and buildings, are sad places to contemplate. The "relief" furnished, is in the nature of a more or less slow death.

The different branches of the work of this department, have been carried on by the same methods as during the previous year. There was a change made in the districts for day scavengers, and an increase in the force employed, at the expiration of previous contracts, in June. This change has resulted in a great improvement in the work of removal of swill and garbage. It still remains the branch causing most

annoyance to the citizens and department. And there is still room for much improvement in it, which experience will bring.

In all branches, those on whom the details of work have fallen, have shown a desire to perform, and in the main have performed, their duties faithfully and cheerfully. Again I would express the conviction that the sanitary officers of the city should be made as secure in their positions as are those of the Police and Fire Departments. To the members of the board, and other associates in city affairs, I wish to express my sense of obligation for counsel and assistance in the discharge of my official duties.

G. C. ASHMUN, *Health Officer.*

Dec. 31, 1883.

SECRETARY'S REPORT.

To the Honorable Board of Health:

GENTLEMEN:—I have the honor to submit to you the Eleventh Annual Report of the Health Department of the city for the year ending December 31st, 1883.

During the year just closed three members retired, Hon. R. R. Herrick, Mayor and ex-officio president of the Board, Drs. H. W. Kitchen and J. F. Armstrong, all of whom had served on the Board since its organization, and were among its most zealous and faithful members; when their term of office expired in April they were succeeded by His Honor John H. Farley, Mayor, Drs. Wm. T. Corlett and F. Fliedner, the Mayor to serve two years as President ex-officio, and the two named three years each. The Board in reorganizing retained most of the old employes, making only such changes as efficiency and discipline required.

FINANCES.

The resources of the department were from the following sources:

RESOURCES.

Tax levy.....	\$20,303 95
Balance on hand from 1882.....	807 78
Permit to gather ice from pond on farm.....	5 00
Sale of two calves.....	8 00
Sale of Vaccine.....	10 25
Permits to slaughter cattle and dress poultry.....	700 00
Newburgh Fertilizer Co., on contract permitting them all animals dying within the city.....	1,237 50
Milk permits.....	696 00
Total.....	<hr/> \$23,768 48

DISBURSEMENTS.

For general expenses.....	\$21,554 47
For Maintaining Pest House and farm.....	1,097 26
<hr/>	
Total.....	22 651 73
Balance on hand January 1, 1884.....	1,116 75
<hr/>	
Grand Total.....	23,768 48

The following table will show amount expended each year for eleven years, including 1883.

1873.....	\$28,416 14	1878.....	\$12,493 71
1874.....	25,056 58	1879.....	12,036 52
1875.....	19,549 38	1880.....	12,908 95
1876.....	16,168 05	1881.....	16 030 99
1877.....	14,283 18	1882.....	20,329 32
1883.....	\$22,651 73.		

The amount received is expended by the Board, which make all its own contracts and audit and order payment of its bills exclusively, no other department, the Council excepted, has any voice in your transactions, and the Council approve contracts only. The revenue of the Board is expended for maintaining the Pest House and farm, and the general expense necessary to maintain the sanitary department, and an accurate account is kept with each as follows:

FOR MAINTAINING PEST HOUSE AND FARM.

Groceries and meat.....	\$ 435 28
Sundry small repairs.....	31 99
Cash advanced by Steward as per vouchers	58 43
Medicines for 1882 and 1883	29 82
Blacksmithing.....	27 38
Coffin.....	4 50
Cutting Hay.....	44 00
Toll for one year.....	4 96
New pump and repairing cistern.....	35 25
Matron and Steward, salary.....	360 00
Rent of Telephone and care of lines.....	65 00
<hr/>	
Total.....	\$1 097 26

The Pest House and farm has cost less than for several years past, mainly from the fact that one patient only was cared for and that for only a short time. It has several times been suggested that this hospital be removed to the Infirmary farm, which would be more convenient and two or three miles nearer the city, but as yet no definite plan has been settled upon.

THE GENERAL EXPENSES WERE

For removing swill and garbage.....	\$6,203 26
Horse for Health Officer and Inspector of Slaughter House for five months.....	204 15
Stationery, Printing, Advertising, Blank Books, etc.....	411 97
Rent of telephone in Health Office.....	15 00
Ambulance, 14 runs at \$5.00 each.....	70 00
Sanitary pay-roll, (not including Pest House).....	14,181 53
Cleaning and refitting District Physician's office after its occupancy by tramp small-pox patient.....	70 17
Printing Annual Report, (1882).....	156 25
Directory.....	5 00
Oil cloth, painting and repairing Board rooms.....	86 52
Care of woman found on the street.....	34 00
Gas one year.....	8 02
Street car tickets for the Department.....	31 00
Stamps and postal cards.....	46 01
Vaccine virus.....	13 60
Sundry small bills.....	17 99
Total.....	\$21,554 47

This is an increase in general expense account alone of \$3,281.67 over general expenses for 1882, but the increased cost of removing swill this year was \$3,705.92 more than last, of which \$235.88 (10 per cent.) was held back from the swill contractors for services rendered during the second half of the year 1882, so were it not for the increased cost of removing swill, the general expenses would have been less this than the previous year.

MILK.

The department has issued 696 permits to sell milk at one dollar each. The amount sold daily as given by the venders themselves amounts to 14,720 gallons, 288 wagons sold 12,641 gallons, 304 stores, bakeries and markets sell 1,659 gallons and 104 houses, (dwellings) most of whom keep milch cows, 420 gallons. Two thousand one hundred and nineteen cows are owned by country milkmen, 223 of which are kept within the city limits. Some of this milk comes from thirty to forty miles by rail to find a market. No arrests have been made during the year for selling impure or adulterated milk. Tests are made daily by the sanitary force, and samples are frequently sent to the office for analysis. As a rule the milk during the year has been found very good, partly owing doubtless to the great increase in the supply from small towns lying along the new railroads, opening up some of the best dairy country in the State.

CONTAGIOUS DISEASES.

1883.		1882.	
Cases Reported.	Deaths.	Cases Reported.	Deaths.
Diphtheria 870	247	Diphtheria 847	210
Scarlet Fever . . 316	41	Scarlet Fever . . 516	75
Typhoid Fever . 123	105	Typhoid Fever . 58	132
Puerperal Fever 13	47	Puerperal Fever . 8	36
Measles 58	10	Measles 17	20
Croup 11	101	Croup 2	118
Erysipelas 19	14	Erysipelas 1	12
Small Pox 2	1	Small Pox 32	8

Total cases reported during 1882, 1,481 and 601 deaths; cases reported 1883 was 1,412, with 566 deaths. Puerperal

fever and croup had more deaths than cases reported. The cases of diphtheria, scarlet fever and small-pox are correct, or nearly so, but the rest of the table is worthless for reference or comparison and good for nothing, unless it is to show the respect shown the orders of the Board by physicians.

MORTUARY.

Two hundred and fifty-five (255) bodies were removed by permit of the health officer from the city during the year, and nearly as many received from other cities and towns. Of these latter no record is kept, except in the cemeteries, where they are entered. I would recommend that the Board adopt some measure correcting this oversight, so that hereafter a complete record of all interments of these "foreign" deaths and their place of burial will be on record in this office.

VAULTS AND NIGHT SOIL.

Permits were issued for the construction of 1409 brick and cement vaults of a plan adopted by the Board. 9,238 yards of night soil were removed, 344 yards by special permit, an increase over 1882 of 1,596 yards. All vaults were first measured by a Sanitary Patrolman, who, after they were reported as cleaned by the contractor, re-measured the vault and certified to the amount excavated before payment to the contractor was made. This system has given general satisfaction, both to the department and to parties served.

MISCELLANEOUS.

There was issued 26 slaughter and rendering permits and 43 permits to dress poultry, for which a fee of \$10.00 each was received and paid into the Sanitary Fund. The contract

with the Newburg Fertilizer Co., who contracted to remove all the dead animals from the city and pay a royalty for the same, expired early in the year, when they suggested that the Board receive proposals for three years instead of one year as heretofore, which was agreed to, and the contract was awarded to them for \$1,000 per annum, an increase over last year of \$250. They remove the dead animals with little or no annoyance to the Department. Eighteen hundred and three (1,803) complaints were lodged with the Secretary, exclusive of those received by the Health Officer.

Permits were issued permitting the construction and maintaining of nine ponds within the city limits, from which ice may be gathered and used for the purposes designated in said permit. There was rejected six applications vs. Burk Brook Ice Co. (on Mill Creek) L. Schlaughter, A. Marquard, G. A. & H. G. Weitz, H. Hoffman and Geo. W. Morgan. Five other petitions were received but as yet not acted upon. G. A. & H. G. Weitz did not heed the refusal of the Board to grant them a permit, and continued as usual. Their pond is on Walworth Run, receives and retains a large amount of waste from slaughter houses located above them, and complaints have been lodged against this pond annually for the last ten years. Weitz Bros. were arrested, tried and fined in the Police Court, but they took the case to a higher court where they hope to get relief.

Accompanying this report are tables showing the number of deaths occurring during the year; deaths from zymotic diseases by wards; total deaths in each ward, nativity and deaths in public institutions. The number, of births occurring, nativity and age of parents. District Physicians reports consolidated, and also yearly reports of the Sanitary Patrol and nuisances abated, and orders given, classified and showing the amount of work performed by each man.

Permit me before closing to thank the Board individually and collectively for the many courtesies extended to me dur-

ing the year just closed, also to the Health Officer and his assistants, who have uniformly manifested their desire by promptness, dispatch and courteous bearing to make my association with them in an official capacity a pleasure, and long to be remembered.

Hoping the services rendered by me have met with your approval.

I am most respectfully,

Your obedient servant,

WM. H. FARRAND,

Secretary and Registrar.

STATISTICAL TABLES.

TABLE No. 1.
ACTUAL MORTALITY FOR 1883.

CAUSE OF DEATH.	Total 1888.	Total 1882.	AGE BY YEARS.										COLOR.		SEX.		SOCIAL RELATION.			
			Under one year.	1 to 5 years.	Total under 5 years.	5 to 10 years.	10 to 20 years.	20 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 to 70 years.	70 years and over.	White.	Colored.	Male.	Female.	Married.	Widows & Widowers.	Single.
Zymotic diseases.....	1,081	..	430	295	725	146	68	60	29	22	15	11	10	1,066	15	535	546	90	18	973
Constitutional diseases..	493	..	77	23	105	5	30	93	90	61	51	34	24	474	19	215	278	223	51	219
Local diseases	1,336	..	453	167	625	35	43	79	88	119	119	127	96	1,315	21	723	618	421	125	790
Developmental.....	343	..	137	10	147	...	1	29	12	6	2	11	135	338	5	134	209	82	102	159
Death by violence..	146	..	7	9	16	13	17	21	23	21	14	14	7	146	...	122	24	59	17	70
Total of all classes.....	3,399	..	1,109	509	1,618	199	159	282	242	229	201	197	272	3,339	60	1,729	1,670	875	313	2,911

* Actual death rate per 1,000 in a population of 194,935, is 17.45.
Still Births, 851. Total still births in 1883 was 851; in 1882, 825; in 1881, 243; in 1880, 154.

TABLE No. 2.
SHOWING TOTAL NUMBER OF DEATHS OCCURRING FROM ZYMOTIC DISEASES AND TOTAL NUMBER
OF DEATHS FROM ALL CAUSES, BY WARDS.

WARDS.	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Cholera Infantum.	Typhoid Fever.	All other Diarrhoeal Diseases.	Cerebro-spinal Fever.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	Total Deaths from all causes.	Total Deaths, exclusive of Public Institutions.
First	2	10	8	.....	9	6	14	.....	6	50	189	191
Second	5	6	8	5	11	9	1	.....	.....	40	104	98
Third	1	2	.....	.....	.....	2	1	.....	1	7	82	82
Fourth	8	17	6	1	15	7	8	1	7	60	208	187
Fifth	1	7	8	.....	18	8	7	.....	11	60	221	221
Sixth	7	29	8	4	21	7	17	1	8	102	377	280
Seventh	2	1	17	9	5	15	18	11	.....	5	82	252	248
Eighth	1	.....	6	2	8	19	9	4	1	8	53	144	144
Ninth	1	2	5	7	.....	4	2	7	.....	4	82	109	109
Tenth	8	10	4	2	6	6	7	.....	11	49	176	176

TABLE No. 2—Concluded.

WARDS.	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Cholera Infantum.	Typhoid Fever.	All other Diarrheal Diseases.	Cerebro-Spinal Fever.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	Total Deaths from all causes.	Total Deaths, exclusive of Public Institutions.
Eleventh .....	.....	1	.....	15	12	8	19	6	11	.....	12	79	241	240
Twelfth.....	1	1	.....	26	11	1	23	5	2	1	7	78	234	234
Thirteenth .....	.....	.....	1	12	8	.....	25	5	15	1	13	75	219	175
Fourteenth .....	.....	2	.....	28	11	2	17	2	28	.....	7	97	243	243
Fifteenth .....	.....	.....	1	13	4	3	14	2	10	.....	4	51	140	140
Sixteenth .....	.....	2	7	24	1	4	8	3	1	.....	2	52	135	135
Seventeenth.....	.....	.....	6	6	4	2	7	6	1	1	2	35	93	93
Eighteenth.....	1	14	10	3	21	7	24	8	38	270	233
Total.....	1	10	41	247	101	38	252	105	184	6	116	1,081	3,399	3,176

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Typhoid fever.

TABLE No. 4.
CONSOLIDATED ZYMOTIC DISEASES BY WARDS—CASES
REPORTED.

WARDS.	ZYMOTIC DISEASES BY WARDS.					
	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Puerperal Fever.	Total.
First.....	29	10	7	4	.....	50
Second.....	18	5	1	1	.....	25
Third.....	8	9	1	.....	.....	18
Fourth.....	46	20	12	2	1	81
Fifth.....	17	14	8	1	.....	35
Sixth.....	127	69	7	8	8	209
Seventh.....	80	27	7	1	8	118
Eighth.....	10	8	5	.....	.....	18
Ninth.....	10	2	2	.....	.....	14
Tenth.....	48	16	11	.....	2	77
Eleventh.....	67	10	18	.....	2	92
Twelfth.....	95	11	7	.....	2	115
Thirteenth.....	50	19	6	.....	.....	75
Fourteenth.....	133	24	7	5	.....	169
Fifteenth.....	82	28	9	.....	.....	119
Sixteenth.....	84	19	5	1	.....	109
Seventeenth.....	25	19	7	.....	.....	51
Eighteenth.....	46	16	18	1	.....	76
Total	870	316	123	19	13	1,341

TABLE No. 5.
DEATHS REPORTED IN PUBLIC INSTITUTIONS DURING
THE YEAR ENDING DECEMBER 31, 1883.

Name of Institution.	Male.	Female.	Total.
Charity Hospital	18	9	23
City Infirmary	25	19	44
Cleveland City Hospital	16	5	21
House of Maternity	36	29	65
Cleveland Protestant Orphan Asylum.....	1	.....	1
Homœopathic Hospital.....	3	2	5
Workhouse .....	.....	.....	.....
Good Shepherd	2	2	4
Water Cure .....	.....	.....	.....
Trinity House.....	.....	8	8
St. Mary's Asylum .....	.....	1	1
St. Joseph's Asylum.....	.....	6	6
Monroe Street Orphan Asylum .....	.....	.....	.....
Little Sisters of the Poor.....	5	8	13
Jewish Orphan Asylum.....	.....	1	1
Cleveland Hospital for Insane	25	12	37
Total.....	126	97	223

TABLE No. 6.
NATIVITY.

	Male.	Female.	Total.
Cleveland	937	927	1,864
Other parts of the United States.....	210	251	461
Germany.....	246	209	455
Ireland	135	187	272
Canada....	24	27	51
England	66	58	124
Bohemia.....	87	23	60
Other Foreigners....	46	26	72
Unknown	28	12	40
Total.....	1,729	1,670	3,399

DECEMBER 31, 1883.

<i>Sewers filthy.</i>	Sewer connections made.	Stables cleaned.	Swill and garbage removed.	Water closets filthy.	Wells examined.	Wells condemned.	Vaults cleaned.	Vaults closed.	Vaults, new.	Yards filthy.	Miscellaneous.	Arrests.	Total.
28	1	8	49	28	.....	.....	252	36	21	34	107	5	1844
25	4	2	89	19	4	4	101	16	30	67	88	8	1104
82	36	1	128	17	12	7	239	22	60	109	192	2	1654
81	60	3	195	18	5	5	309	52	39	147	270	2	2148
12	28	17	188	3	8	4	351	58	184	142	382	2	2452
58	20	23	198	15	11	6	536	77	155	148	259	8	2836
18	18	28	284	5	20	9	292	57	121	181	403	6	2509
9	57	14	165	6	14	5	456	70	104	76	445	4	2533
28	16	8	182	21	8	8	499	58	145	114	554	5	2758
14	17	13	128	8	6	6	430	67	121	101	477	2	2526
36	6	8	182	8	9	6	329	55	110	92	393	2	2245
11	3	3	151	12	6	7	321	34	101	65	399	4	2194
287	261	123	1839	160	103	67	4175	602	1191	1226	3964	26803

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BIRTHS DURING SEVEN YEARS BY MONTHS.

							MONTHS.
1888	1882	1881	1880	1879	1878	1877	
540	442	447	446	441	429	501	.....January.
518	490	452	417	890	892	427	.....February.
512	475	416	462	420	402	455	.....March.
434	395	418	379	320	390	378	.....April.
542	406	408	374	852	838	355	..... May
485	375	383	397	402	890	371	.....June.
488	484	454	477	414	871	463	.....July.
502	512	448	478	428	475	470	.....August.
565	465	448	473	416	474	436	.....September.
558	546	417	423	400	467	482	.....October.
501	470	451	378	484	378	423	.....November.
537	562	418	442	422	374	382	.....December.
177	5,512	5,152	5,118	4,838	4,984	5,090	.....Total.

SEWER INSPECTOR'S
REPORT.

SEWER INSPECTOR'S REPORT.

To the Honorable Board of Health:

GENTLEMEN—I herewith present my annual report for the year ending Dec. 31, 1883:

During the year there were issued 2,996 permits, as follows, viz.:

To construct new sewers.....	1,253
To repair and clean sewers.....	522
To construct new plumbing	1,019
To repair plumbing.....	202
<hr/>	
Total.....	2,996

In former reports I have urged upon your Honorable Board the necessity of a revision of the rules regulating sewerage and plumbing; and I am now more fully impressed than ever, of the urgent need of it, in order that more specific rules may be laid down and insure greater uniformity, as well as a better class of work.

A plumbers' society is now organized, the object of which, as I understand, is to elevate the profession, by a mutual interchange of views on the best methods of doing work. To guard against incompetents, it is proposed that all applicants for licenses shall be examined by a board of examiners, who shall report favorably on the ability of the applicant, to supervise, or do the work for which such license is required.

A committee of the Board of Health, I think, should be appointed, and the plumbers' society requested to appoint a committee to confer with them, and adopt rules and regulations more in accordance with the advance in knowledge in sanitary plumbing and sewerage.

In my last annual report I referred to the practice in some cities, of requiring the registration of journeymen plumbers, who alone are allowed to do work under the supervision of the Board of Health. Such a rule, if carried out in a proper spirit, would be beneficial to the competent workman, the employer and the public.

If proper bonds are furnished, any one, at present, may obtain a license as plumber or sewer builder, which is decidedly prejudicial to good policy and the public welfare.

Plans for sewerage and plumbing should be submitted to, and approved by the Board before permits are granted.

It is generally admitted that suggestions of a change in sewerage or plumbing plans is generally received by architects with disfavor, and it is feared debar the offending party from bidding on future contracts over which the architect may have *entire* control.

The submission of plans to the Board, might, I think, be the means of obviating trouble between architects and sewer builders and plumbers.

In former reports I have urged the necessity of a thorough ventilation of the main sewers, and when the subject was discussed by the Board it was approved of, but nothing has been done.

I think it unnecessary to repeat what has been gone over pretty fully in my former reports, covering ventilation, flushing, etc., on none of which have I had any reason to change my views, and would therefore most respectfully refer you to them.

GEO. ANDERSON,
Inspector of Sewers.

DISTRICT PHYSICIANS'
REPORTS.

REPORT OF PHYSICIAN FOR DISTRICT NO. 1.

FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.

MONTHS.	NO. OF CASES TREATED.	DISEASES.								TREAT- MENT.		SEX.		COLOE. RELAT'N.		NATIVITY.										
		Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Gyphilia.	Malarial.	Typhoid Fever.	Other Causes.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.
January.....	69	3	1	5	5	14	5	...	36	232	106	35	34	61	8	20	49	20	7	8	26	1	2	2	1	2
February.....	106	7	4	1	7	16	13	1	57	310	184	44	62	103	3	89	67	21	6	22	45	8	...	...	8	6
March.....	119	5	10	...	8	21	6	...	69	342	171	54	65	105	14	48	71	35	10	11	50	8	1	5	2	2
April	108	6	9	...	9	16	8	...	60	355	188	54	54	97	11	47	61	25	14	14	50	...	1	...	8	1
May.....	86	4	...	...	1	8	...	...	28	25	114	21	15	88	8	20	16	19	8	8	5	...	2	2	...	2
June.....	67	5	2	1	...	4	2	1	52	61	91	29	38	64	3	32	35	41	2	8	8	...	1	...	1	6
July.....	47	3	4	...	4	8	3	1	29	36	106	22	25	45	2	27	20	25	4	6	6	...	...	1	1	4
August.....	47	2	2	...	5	4	...	...	34	27	63	21	26	45	2	30	17	22	2	9	6	...	1	...	...	7

REPORT OF PHYSICIAN FOR DISTRICT No. 1.—Concluded.

September.....	83	1	1	....	....	8	2	....	26	17	66	10	23	81	2	18	15	16	2	2	7	....	1	1	....	4
October.....	84	3	2	1	8	....	....	....	25	24	67	14	20	82	2	27	7	18	2	1	11	....	2	1	....	4
November.....	42	1	2	....	2	....	1	....	36	72	56	30	12	42	....	27	15	16	5	4	7	....	3	....	1	6
December.....	84	1	2	....	1	4	....	....	26	44	97	17	17	30	4	19	15	22	3	1	8	....	1	....	4	
	742	41	89	8	45	88	40	3	478	1545	1265	351	891	688	54	854	388	275	60	89	224	7	15	12	12	48

*Physicians—January, February, March and April, DR. J. F. GIBSON. Balance of year, DR. G. C. RUSSELL.

REPORT OF PHYSICIAN FOR DISTRICT No. 2.
FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.	NO. OF CASES TREATED.	DISEASES.								TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.		NATIVITY.							
		Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Cases.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.
January.....	15	...	...	...	...	1	...	14	27	31	5	10	15	...	4	11	7	1	2	5	...	...	...	...	...
February.....	16	...	8	1	...	1	...	11	32	31	7	9	16	...	5	11	6	1	2	6	...	...	...	...	1
March.....	19	...	1	1	...	1	...	16	41	41	8	11	19	...	5	14	6	2	4	7	...	...	...	...	...
April.....	18	...	2	...	...	...	...	16	24	32	6	12	17	1	4	14	7	...	8	7	...	...	...	...	1
May.....	17	...	1	...	...	...	1	15	23	31	5	12	16	1	5	12	7	1	2	7	...	...	...	...	...
June.....	17	...	2	...	...	8	1	11	37	46	9	8	16	1	8	14	9	...	1	6	...	...	...	...	1
July.....	22	...	4	...	2	3	1	12	42	50	10	12	21	1	7	15	7	8	1	10	...	...	...	...	1
August.....	18	1	13	...	2	1	1	9	43	38	7	11	17	1	5	13	5	2	1	9	...	...	...	...	1

MONTHS.

NO. OF CASES TREATED.

REPORT OF PHYSICIAN FOR DISTRICT No. 2.—Concluded.

September.....	18	1	3	...	...	...	2	...	12	30	27	9	9	9	18	....	7	11	4	1	4	9	...	...	...	...
October... ..	23	...	3	...	...	1	2	...	17	43	36	9	14	23	...	...	8	15	6	2	3	12	...	...	...	...
November.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December.... ..	21	...	3	...	...	1	1	..	16	41	37	9	12	20	1	8	13	10	2	1	7	...	...	...	1	
	204	2	25	2	4	12	9	1	149	383	400	84	120	198	6	61	143	74	15	24	85	...	...	...	6	

DR. W. C. CRAVEN, Physician.

REPORT OF PHYSICIAN FOR DISTRICT NO. 3.
FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.	DISEASES.							TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.		NATIVITY.									
	Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Causes.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.
January.....	25	25	52	88	11	14	24	1	16	9	5	4	9	8	8	1
February.....	11	1	.....	.....	.....	.....	..	10	39	54	5	6	11	.....	6	5	4	2	1	3	3	.....	1	.....
March.....	19	1	.....	.....	.....	1	..	17	27	20	5	14	17	2	10	9	13	1	3	2	.....	.....	.....	.....
April.....	21	1	.....	.....	.....	1	..	19	39	50	7	14	21	.....	17	4	3	4	5	8	.....	.....	.....	1
May.....	19	3	.....	1	.....	.....	..	15	37	24	2	17	18	1	14	5	8	1	3	4	.....	.....	.....	8
June.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July.....	23	1	.....	8	.....	2	..	17	34	25	10	13	23	.....	15	8	4	3	9	6	.....	.....	1	.....
August.....	24	1	.....	7	1	.....	..	15	50	23	9	15	24	.....	15	9	7	2	8	5	.....	.....	.....	2

REPORT OF PHYSICIAN FOR DISTRICT No. 3.—Concluded.

September.....	24	2	1	.....	4	.....	.....	.....	17	53	21	13	11	23	1	13	11	9	1	4	5	.....	.....	.....	8	2
October.....	21	.....	4	1	.....	.....	1	.....	15	42	27	10	11	20	1	8	13	5	1	5	4	.....	.....	.....	8	3
November.....	26	.....	2	.....	1	.....	4	.....	19	37	30	12	14	26	...	17	9	7	1	7	4	2	.....	.....	8	2
December.....	34	.....	5	1	.....	1	3	.....	24	91	70	17	17	33	1	21	13	15	2	4	3	3	.....	.....	8	4
	247	2	20	2	16	2	12	...	193	501	387	101	146	240	7	152	95	80	23	53	47	5	8	1	14	17

DR. G. A. ORWIG, Physician.

REPORT OF PHYSICIAN FOR DISTRICT No. 4.

FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.	DISEASES.										TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.			NATIVITY.						NO. OF CASES TREATED.
	Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Cases.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.	
January.....	..	4	..	..	4	7	1	29	117	96	20	25	45	..	21	24	3	9	5	28	..	..	..	..	45
February.....	..	8	..	..	8	6	1	23	115	116	18	18	86	..	17	19	6	8	3	23	..	..	..	..	86
March.....	..	2	..	..	1	5	..	19	60	58	10	17	27	..	21	6	1	4	3	19	..	..	..	..	27
April.....	2	1	8	..	25	81	50	20	11	31	..	18	13	7	2	5	15	..	1	..	..	31	
May.....	8	..	8	..	19	23	108	13	12	25	..	18	7	6	4	2	11	..	..	..	..	25	
June	1	..	..	5	6	8	..	18	51	79	24	9	83	..	19	14	10	1	..	20	..	..	..	..	83
July.....	..	1	..	7	2	8	..	17	97	52	14	16	90	..	16	14	7	2	1	18	..	..	..	..	90
August.....	

REPORT OF PHYSICIAN FOR DISTRICT No. 4.—Concluded.

September.....	82	....	1	....	3	....	1	2	26	80	49	13	19	83	....	21	11	8	....	3	17	....	....	....	4
October.....	81	....	1	....	....	3	8	2	22	52	82	14	17	81	....	16	15	6	1	2	20	....	....	....	2
November.....	82	....	1	....	1	2	1	2	25	54	96	16	16	82	....	18	14	4	1	2	23	....	1	....	3
December.....	81	....	1	....	....	2	2	2	24	55	129	22	9	81	....	16	15	9	1	3	18	....	....	....	...
	853	1	14	..	20	24	87	10	247	740	910	184	169	353	...	201	152	67	28	29	211	....	2	....	16

First four months DR. A. S. ADAMS, balance of year, DR. R. BELL, Physician.

REPORT OF PHYSICIAN FOR DISTRICT No. 5. FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.	DISEASES.										TREAT- MENT.		SEX.		COLOR.		SOCIAL RELATION.			NATIVITY.									
	Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Cases.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.				
January	1	1	1	1	1	1	1	14	15	86	8	9	17	1	9	8	11	1	4	1	1	1	1	1	2				
February	1	4	1	1	1	1	1	18	41	95	15	11	26	1	18	13	14	1	5	3	1	1	1	1	2				
March	1	1	1	1	1	1	2	19	56	83	14	11	25	1	18	12	7	1	14	3	1	1	1	1	1				
April	1	1	1	1	1	1	1	19	18	52	10	11	21	1	7	14	6	1	13	1	1	1	1	1	1				
May	1	1	1	1	1	1	1	18	32	86	10	9	19	1	7	12	11	1	7	1	1	1	1	1	1				
June	1	1	1	1	1	1	1	15	47	43	11	6	17	1	5	12	5	1	8	2	1	1	1	1	1				
July	1	1	1	6	1	1	1	8	39	44	10	6	16	1	9	7	8	1	4	3	1	1	1	1	1				
August	1	2	2	2	1	3	1	6	25	93	5	9	14	1	7	7	4	1	6	3	1	1	1	1	1				

MONTHS.

NO. OF CASES TREATED.

CITY DOCUMENTS.

REPORT OF PHYSICIAN FOR DISTRICT No. 5.—Concluded.

September.....	17	...	2	...	...	...	8	2	10	81	95	9	8	17	...	6	11	4	1	11	1	...	...	...	...
October....	17	...	...	...	...	1	1	1	14	81	77	10	7	17	...	9	8	6	...	8	8	...	...	...	...
November	18	...	2	...	...	...	...	...	16	81	45	12	6	18	...	7	11	5	1	9	8	...	...	...	...
December....	21	...	4	...	...	...	2	...	15	53	62	14	7	21	...	13	8	8	8	8	6	1	...	...	...
	228	8	18	6	12	5	12	5	172	419	861	128	100	228		105	123	84	11	97	29	2	...	...	5

DR. F. J. MORTON, Physician.

REPORT OF PHYSICIAN FOR DISTRICT NO. 6.
FOR THE YEAR ENDING DECEMBER 31, 1883.

CITY DOCUMENTS.

MONTHS.	NO. OF CASES TREATED.	DISEASES.								TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.		NATIVITY.								
		Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Causes.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.
January.....	10	..	..	..	..	2	1	..	7	21	32	4	6	10	..	6	4	6	..	3	..	1	..	..	..	..
February.....	16	..	..	..	..	1	..	15	26	41	7	9	16	..	..	12	4	8	1	4	..	3	..	..	..	..
March.....	14	..	..	..	..	1	..	13	32	39	7	7	14	..	..	12	2	5	..	3	4	1	..	..	1	..
April.....	13	1	..	..	..	..	..	12	34	36	7	6	13	..	..	9	4	3	..	4	2	3	..	..	1	..
May	10	1	..	..	..	..	1	8	20	50	8	2	10	..	..	7	3	4	..	3	..	2	..	..	2	..
June.....	10	..	..	..	..	1	1	8	13	23	4	6	10	..	..	10	..	3	..	3	2	1	..	..	..	1
July.....	14	..	..	..	..	3	2	9	23	31	7	7	14	..	..	12	2	5	..	2	2	1	..	..	2	2
August.....	13	1	2	..	..	2	1	6	25	41	7	6	13	..	..	8	5	5	..	4	1	2	..	..	1	..

REPORT OF PHYSICIAN FOR DISTRICT No. 7.

FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.

MONTHS.	NO. OF CASES TREATED.	DISEASES.										TREAT- MENT.	SEX.		COLOR.		SOCIAL RELA'TN.		NATIVITY.									
		Alcoholism.	Consumption.	Diphtheria.	Diarrhea.	Gonorrhea and Syphilis.	Malarial.	Typhoid Fever.	Other Cases.	Prescriptions.	Visits.		Male.	Female.	White.	Black.	Married.	Single.										
January	7	1	1	1	1	1	1	1	6	80	21	2	5	5	7	1	6	1	4	1	1	1	1	1	1	1	1	1
February	18	1	1	1	1	1	1	1	12	53	50	7	6	6	11	2	5	8	11	1	1	1	1	1	1	1	1	1
March	14	1	1	1	1	1	1	1	18	50	39	7	7	7	11	3	6	8	9	2	1	1	1	1	1	1	1	1
April	11	2	1	1	1	1	1	1	8	87	29	8	8	8	10	1	5	6	6	1	1	1	1	1	1	1	1	1
May	16	1	1	1	1	1	1	1	18	50	26	7	9	9	14	2	7	9	8	1	1	1	1	1	1	1	1	1
June	11	1	1	1	1	1	1	1	8	29	19	8	8	8	6	5	7	4	8	2	1	1	1	1	1	1	1	1
July	16	1	1	1	5	1	1	1	9	41	22	8	8	8	14	2	4	12	9	2	2	2	2	2	2	2	2	2
August	15	1	1	1	2	1	1	1	11	46	28	4	11	11	14	1	8	7	7	1	1	1	1	1	1	1	1	1

REPORT OF PHYSICIAN FOR DISTRICT No. 7.—Concluded.

September.....	18	...	1	...	2	2	...	...	8	42	19	6	7	10	8	6	7	7	2	3	...	...	...	...	1
October....	17	...	1	...	...	...	1	1	14	45	31	6	11	14	8	8	14	10	5	1	1	...	...	...	...
November.....	13	...	1	...	1	2	...	...	8	36	18	5	7	11	1	6	6	5	...	6	...	...	...	...	1
December....	13	...	1	...	...	1	...	...	11	48	29	8	5	10	3	4	9	9	...	1	3	...	...	...	...
	158	...	12	1	12	10	1	1	121	502	331	76	82	182	26	67	91	98	17	26	11	1	...	...	10

DR. L. S. CHADWICK, Physician.

REPORT OF PHYSICIAN FOR DISTRICT NO. 8.

FOR THE YEAR ENDING DECEMBER 31, 1883.

MONTHS.	DISEASES.								TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.		NATIVITY.								
	Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Causes.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.
January.....	2	2	1	1	1	1	1	4	88	18	4	4	8	...	3	5	1	...	...	6	...	...	...	...	1
February.....	2	2	...	...	...	...	...	10	54	49	6	6	11	1	9	3	1	3	3	6	...	...	...	...	...
March.....	1	1	...	...	2	...	...	11	79	33	4	10	14	...	9	5	1	1	...	3	1	...	...	...	...
April.....	1	1	...	...	4	...	...	11	79	54	7	9	16	...	7	9	1	1	...	7	...	...	...	1	6
May.....	1	1	...	...	1	...	...	9	35	22	7	4	11	...	4	7	1	1	...	5	1	...	...	...	3
June.....	...	...	...	...	1	...	...	11	36	23	8	4	12	...	7	5	2	...	...	6	...	...	...	2	2
July.....	1	...	...	7	...	...	...	9	55	42	8	9	17	...	13	5	1	5	...	4	1	...	...	1	5
August.....	...	...	...	2	...	...	...	7	53	52	6	3	9	...	8	6	4	...	...	3	...	...	...	1	1

CITY DOCUMENTS.

REPORT OF PHYSICIAN FOR DISTRICT No. 8.—Concluded.

September.....	11	...	...	...	4	...	...	...	7	47	19	6	5	9	2	5	6	2	...	1	5	...	...	...	1	2
October.....	16	1	1	...	4	1	1	...	8	88	62	9	7	16	...	8	8	1	4	...	...	...	...	...	1	2
November.....	12	...	2	...	...	2	...	...	8	81	56	7	5	12	...	11	1	4	1	2	4	...	...	...	1	...
December.....	18	...	...	...	1	2	...	1	9	71	53	6	7	12	1	6	7	5	...	...	4	...	...	...	..	4
	151	2	10	..	18	14	1	2	104	709	488	78	78	147	4	84	67	24	15	6	66	8	...	...	8	29

DR. F. B. NORTON, Physician.

THE CONSOLIDATED REPORT OF PHYSICIANS.
FOR THE YEAR ENDING DECEMBER 31, 1883.

No. of District.	DISEASES.										TREAT- MENT.		SEX.		COLOR.		SOCIAL RELAT'N.	NATIVITY.								PHYSICIANS.
	Alcoholism.	Consumption.	Diphtheria.	Diarrhoea.	Gonorrhoea and Syphilis.	Malarial.	Typhoid Fever.	Other Cases.	Prescriptions.	Visits.	Male.	Female.	White.	Black.	Married.	Single.	American.	English.	German.	Irish.	Bohemian.	Russian.	Hungarian.	Polish.	Other Foreign.	
1	41	39	8	45	88	40	3	478	1545	1265	351	391	688	54	354	388	275	60	89	224	7	15	12	12	48	J. F. Gibbon. G. C. Russell.
2	2	25	2	4	12	9	1	149	383	400	84	120	198	6	61	143	74	15	24	85					6	W. C. Craven.
3	2	20	2	16	2	12		193	501	387	101	146	240	7	152	95	80	22	58	47	5	3	1	14	17	G. A. Orwig.
4	1	14		20	24	37	10	247	740	910	184	169	353		201	152	67	28	29	211			2		16	A. S. Adams. R. Bell.
5	8	18	6	12	5	12	5	172	419	861	128	100	228		105	123	84	11	97	29	2				5	F. J. Morton.
6	1	5	6	2	12	7	2	119	290	412	86	68	149	5	103	51	63	1	37	22	22			6	3	F. C. Franke.
7		12	1	12	10	1	1	121	502	331	76	82	132	26	67	91	93	17	26	11	1				10	L. S. Chadwick.
8	2	10		10	14	1	2	104	709	483	78	73	147	4	84	67	24	15	6	66	3			8	29	F. B. Norton.
	52	138	25	129	167	119	24	1583	5069	5049	1088	1149	2185	102	1127	1110	760	169	366	695	40	18	15	40	184	

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Elevation of top of gauge above ground, 783 feet.		RAIN OR MELTED SNOW.		
		IN INCHES AND HUNDREDTHS.		
		Total Amount.	In any three consecutive eight hourly measurements.	
			Largest amount.	Date.
Station	Date.			
W.	22nd.	1.55	.49	20th.
W.	16th.	6.77	3.62	3rd.
W.	21st and 25th.			
W.	7th.	1.34	.34	6th.
W.	11th.	2.10	.77	5th and 6th.
E.	21st.	6.50	1.40	21st.
W.	11th.	3.77	.93	18th.
W.	7th.	3.75	.84	7th and 8th.
N.	2nd.	2.72	1.78	28th.
S.	23rd.			
W.	25th.	4.03	1.23	29th and 30th.
N.	29th.			
W.	29th.	2.56	1.41	2nd.
W.	11th.	2.36	1.13	21st and 22nd.
W.	2nd.	2.68	.48	23rd and 24th.
		41.13		

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			NT.		REMARKS.
			11:00 P. M.	Mean.	
THE—					
	W.	N. W.			
	14	7	16.6	16.9	Great flood in Cuyahoga River on February 3rd and 4th. Immense damage done to property.
	28	9	23.0	21.6	
	11	13	20.5	20.2	Navigation opened on April 7th.
	9	8	32.3	31.6	First light frost on September 10th.
	18	6	42.7	41.5	First heavy frost on October 17th.
	15	4	56.9	56.1	First snow on November 1st.
	10	9	59.5	58.7	First ice on November 12th.
	14	3	54.0	54.2	Navigation closed December 20th.
	6	3	48.4	47.8	
	10	4	41.1	40.9	
	17	13	31.1	31.1	
	14	16	25.6	24.8	
	166	95	451.7	445.4	
	15.2	8.7	37.6	37.1	

d to sea-level by adding the fo
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WILLIAM LINE, *Sergeant, Signal Corps, U. S. A.*

TWENTY-EIGHTH
A N N U A L R E P O R T
OF THE
BOARD OF
TRUSTEES OF WATER WORKS
TO THE
CITY COUNCIL,
TOGETHER WITH THE
REPORTS OF THE OFFICERS OF THE BOARD,
For the Year 1883.

TRUSTEES' REPORT.

To the Honorable Mayor and City Council of Cleveland :

GENTLEMEN: The undersigned would respectfully submit this, the twenty-eighth annual report of the Trustees of Water Works, together with the reports of the Secretary, the Superintendent and Engineer, and the Engineer of Pumping Works.

The receipts for water for the year amount to \$274,614.15, the expenses and repairs to \$73,210.82, leaving the net earnings \$201,403.33, being an increase in receipts over the previous year of \$22,619.69, and of net earnings an increase of \$15,101.90.

The expenditures for permanent improvements, including lands for Reservoir sites and high service pumping station were as follows:

Main pipes, 30 and 36 inch, including valves and labor laying same....	\$152,898 42
Distributing pipes, including valves, five hydrants, and labor laying same	131,440 95
Land for Fairmount Reservoir and pumping station and cost of appropriation.....	28,338 51
Land for High Service Reservoir	10,150 88
Contractors' estimates Fairmount Reservoir.....	45,328 38
Contractors' estimates High Service Reservoir.....	10,781 53
Estimates for addition to boiler house.....	21,279 26
Estimates for new boilers and fittings.....	11,532 99
Water Meters and setting same.....	10,650 27
Other items of cost of permanent improvements	22,614 11
<hr/>	
Total payments for lands and permanent improvements....	\$445,009 75

Two hundred and fifty thousand dollars of City bonds for water works purposes were issued, and the proceeds used in part payment of the above expenditures, the balance being paid from the surplus earnings of the department. Further issue of bonds will be necessary to complete the work now under contract, and for main pipes connected with the distribution system of the high service district.

Contracts entered into and the estimated amounts to be expended under them are as follows:

Fairmount Reservoir, with McReynolds & Co., estimated amount...	\$269,184 50
High Service Reservoir, with Messrs. Hall & Freeman, estimated amt.	120,291 06
New boiler house, with Messrs. Uhl & Kosterling, estimated amount..	20,818 43
Three steel boilers, with the Globe Iron Works	14,985 00
Fittings by the pound and piece, Main pipe, 30 in. and 36 in., with Silas Merchant, estimated amount.....	166,300 60
Pumping engine, Henry R. Worthington.....	34,500 00

The report of the Secretary furnishes information in detail of the financial condition of the department, and shows a very gratifying increase in revenue.

The report of the Superintendent and Engineer, and the Engineer in charge of Pumping Works show the condition of the works, and the progress of the new enlargement so fully that anything additional from us would only be repetition. The suggestion in both of these reports that the old Cornish engines be taken out and used for the High Service works, merits, and will receive from us, careful consideration. We will, with your co operation, endeavor to complete the improvements now in progress, at the earliest date practicable, consistent with safety and the substantial construction demanded in work of this character.

We estimate the cost of the work to be done during the ensuing year as follows:

Contractors' estimates, Fairmount Reservoir.....	\$200,000 00
" " Kinsman street Reservoir.....	110,000 00
" " new boilers.....	10,000 00
Main pipe under contract.....	60,000 00
" " to be laid south of Kinsman street.....	70,000 00
Distributing pipe, low service district.....	180,000 00
Sub-mains and distributing pipe in 18th ward.....	50,000 00
High Service Engine House and Engines.....	100,000 00
<hr/>	
Total estimates for permanent improvements.....	\$780,000 00
Add operating expenses and ordinary repairs.....	75,000 00
<hr/>	
Total anticipated expenditures.....	\$805,000 00
Deduct estimated receipts for water.....	290,000 00
<hr/>	
Amount of bonds required.....	\$515,000 00

Water is supplied to the different departments of the city free of charge, for use in public buildings, parks, cemeteries, etc., through 130 supply pipes and through 26 to hospitals and charitable institutions. 1501 fire hydrants and 70 fire cisterns are also supplied, besides the water used for flushing sewers and puddling streets and sewer trenches and sprinkling streets.

We desire to call your attention to the wasteful extravagance in the use of water by some of the charitable institutions now furnished with lake water, free of charge, under an act of the Legislature. While it is eminently proper that such institutions should be supplied with a liberal quantity of water per capita without charge, it is our experience that many of them habitually abuse the privilege. We know this to be a fact from the record of the meters we have caused to be placed on some of the pipes through which the supply is drawn.

One such institution, having an average of about four hundred inmates during the six months ending Oct. 1st, 1883, used and wasted at the rate of 24,400 gallons per day, or more than 60 gallons per capita per day, just double the quantity necessary for all useful and sanitary purposes

We would suggest that application be made to the Legislature to amend the act referred to, limiting such institutions to a given quantity per capita per day, and requiring them to pay the regular rates established for water for all excess. Also that the proper officer of all such institutions be required to file with the Secretary of Water Works, as often as may be required, a sworn statement of the number of resident inmates of such institution for the term for which water bills may be made.

Respectfully submitted,

WM H. LUTTON,
WALTER BLYTHE,
PERCY W. RICE.

} *Trustees*
 of
} *Water Works.*

Cleveland, March 6, 1884.

SECRETARY'S REPORT.

To the Board of Trustees of Water Works:

I hereby respectfully submit my report as Secretary, for the year 1883:

The receipts for water, including permits, less am't refunded, is....	\$274,614 15
The net amount of expenses and repairs is.....	78,210 82
Leaving the net earnings.....	\$201,403 83

The comparative amounts with the previous year are:

Increase of receipts for water.....	\$ 22,619 09
Increase of expenses and general repairs..... \$2,511 84	
Increase of lake crib repairs..... 5,005 95	7,517 79
Increase of net earnings.....	\$ 15,101 90

The receipts and disbursements of cash for the year, including balance as shown by the books of the office, are:

RECEIPTS.

Cash in city treasury, January 1, 1883, as per report.....	\$ 15,023 80
Cash in office January 1883, as per report.....	1,243 34
For water, from assessments, &c., less amount refunded	158,544 23
For water by meter measure " " "	110,453 92
For permits (in water rent account).....	5,616 00
For par value of Water Works bonds sold.....	250,000 00
For premiums on \$100,000 of same.....	1,120 00
For buildings on reservoir lands sold.....	1,291 00
For water meters.....	348 25
On office and general expense account.....	465 10
On general repairs account.....	218 34
On engine house expense account.....	27 90
On pipe extension account	5,209 08
	<hr/>
	\$549,621 03

DISBURSEMENTS.

For pipe extention.....	\$ 289,608 43
For Fairmount reservoir lands.....	28,978 30
For Fairmount reservoir contractors' estimates ,&c.....	64,184 61
For Kinsman street reservoir lands.....	9,926 00
For Kinsman street reservoir contractors' estimates, &c.....	15,414 95
For payments on new boiler house.....	21,279 26
For payments on new boilers.....	11,582 90
For water meters, and setting the same.....	10,998 52
For interest on water works bonds.....	20,000 00
For office and general expenses.....	25,914 28
For expenses at engine house.. . . .	86,196 80
For general repairs.....	5,479 40
For repairs at engine house.....	1,826 26
For repairs at lake crib.....	5,005 92
Cash in city treasury, subject to draft, January 9, 1884.....	2,160 86
Cash in office January 9, 1884.....	1,619 95
	<hr/>
	\$ 549,621 03

The disbursements include pay rolls and other claims of the month of December allowed by the Board of Trustees at their meeting, January 6, 1884, and the balance in the city treasury is the amount subject to draft after payment of the same.

The items and amount of receipts in the foregoing statement, and not included in water rent account and for proceeds of bonds sold, are from

1883.

January. Sandusky water works, one 8 in. sleeve.....	\$ 8 00
American Wire Co., 3 in. connection.....	74 77
C. C. C. & I. R'y, 4 in. connection.....	91 78
W. Body, elevator connection.....	78 56
C. & P. R'y, 3 in. connection....	101 14
J. B. Perkins, 4 in. connection.....	89 65

	J. B. Perkins, 2 in. connection	25 64
	" " 3 in. connection	76 15
	" " 2 in. connection	29 22
	Valley Railway, 8 in. connection.....	83 83
	New York, Chicago & St. Louis R'y, repairing hydrant	7 92
	Lake Shore Foundry, scrap iron	253 08
February.	Marsh & Harwood, connection.....	70 81
	Northern Ohio Blanket Mills, 2 in. connection.....	12 44
	W. C. Scofield, 2 in. connection	80 83
	Halle, Skalle & Co., connection	184 46
	Halle & Co., connection	136 80
	American Lubricating Oil Co., 6 in. pipe in Hamlet street...	308 78
	F. & H. Born, for connection	80 27
	C. C. C. & I. R'y, for 4 in. connection	56 35
	S. Brainard's Sons, elevator connection.....	82 52
	Silas Merchant, laying pipe at foundry.....	371 44
March.	S. H. & E. Block, elevator connection.....	81 50
	J. B. Perkins, elevator connection.....	95 63
	Cleveland Transportation Co., use of dock.....	40 00
April	V. C. Taylor, office rent.....	100 00
	Geo. S. Paine, Auditor's warrant, No. 911, returned.....	55
	Chas. Swabka, house rent.....	5 00
May.	Chas. J. Broker, one ¾ in. water meter.....	28 00
	Chas. Swabka, house rent.....	5 00
June.	R. Doty, old barrels sold.....	25 90
	W. Ward, 2 in. connection	15 89
	Cleveland Woolen Mills, 3 in. connection	42 85
	Chas. Swabka, house rent.....	5 00
	C. H. Strong, 87 lbs. scrap Iron	87
	R. Doty, for old stove sold.....	2 00
July.	V. C. Taylor, office rent.....	100 00
	Clerk Board of City Improvements, old dwellings sold.	745 00
	Standard Oil Co., water meters.....	103 25
	N. Y. P. & O. R. R., 4 in. connection	78 90
	Clerk Board of City Improvements, old dwellings sold.....	532 00
	Chas. Swabka, house rent	5 00
	Forest City Varnish Co., moving hydrant.....	87 87

REPORT OF THE TRUSTEES OF WATER WORKS. 347

	Cleveland Rubber Works, for connection... ..	163 98
	Lake Erie Iron Co., for connection.....	69 59
August.	J. Kranse & Co., for connection.....	149 28
	Clerk Board City Improvements, for old dwellings sold.....	14 00
	Geo. S. Paine, for connection.....	22 83
	Upson Nut Co., for laying Pipe.....	892 87
	Grace Church, for connection.....	24 14
	Co-Operative Stove Co., for elevator connection.....	96 81
	H. Goldstein, for old rubber hose sold.....	2 40
	C. C. Dewstoe, for 4 in. connection.....	156 52
	A. Jones, for 4 in. connection.....	75 97
	Smith & Connors, for connection.....	61 96
Septemb'r.	Monroe Bros. & Co., for connection.....	52 25
	C. C. C. & I. Railway, repairing leak.....	16 25
October.	Chas. Kress, water meter.....	28 00
	V. C. Taylor, office rent.....	100 00
	H. Tiedeman, for water meters.....	134 00
	Smith & Connors, connection.....	18 50
	Geo. H. Kelley, valve box.....	4 89
	C. C. Schellentrager, on ac't $\frac{3}{4}$ water meter.....	20 00
	John Dort, water meter....	28 00
	Strong, Cobb & Co., lowering pipe Long st.....	88 91
Novemb'r.	Everson & Delamater, repairing water pipe.....	86 64
	C. C. Schellentrager, on ac't water meter.....	7 00
	Lake Erie Iron Co., fire hydrant.....	25 00
Decemb'r.	West Cleveland water works, for 4 in. pipe.....	15 22
	C. E. Gehring, 2 in. connection.....	15 67
	Henry Wick, enlarging connection.....	58 82
	Standard Oil Co., 4 in. connection.....	82 72
	C. W. Scofield, 4 in. connection.....	76 49
	V. C. Taylor, office rent.....	100 00
	Strong, Cobb & Co., lowering pipe.....	45 98
	Cleveland City Forge and Iron Co., 2 in. connection.....	29 28
	Cleveland City Forge and Iron Co., 4 in. connection.....	106 11
	C. C. Dewstoe, connection.....	17 07
	Superior Street Railway. changing location valve box.....	80 00
	Smith & Connors, 3 in. connection.....	64 14

A Putt, 2 in. connection	88 70
Lake Shore Foundry, scrap iron	902 58
Auditor's warrant cancelled	5 10
	<hr/>
	\$7,619 65

LEDGER BALANCE JANUARY, 1884.

Construction	\$3,858,841 56	.....
Interest	140,802 09	.....
Fairmount reservoir	128,808 41	.....
Kinsman reservoir	25,840 95	.....
Water meter acc't	38,688 86	.....
Boiler house extension	21,279 26	.....
New boilers	11,532 99	.....
Cash	1,619 95	.....
City Treasurer	2,160 86	.....
Water rent		\$1,600,997 67
City of Cleveland		48,071 26
Bonded debt		1,150,000 00
Bonds redeemed		925,000 00
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	\$3,724,068 98	\$3,724,068 98

The yearly receipts for water rent and the expenditures for running expenses and repairs from the introduction of lake water into the city until the present time, also the earnings after deducting such expenditures are as follows:

YEARS.	Receipts for Water.	Running Expenses.	Repairs.	Receipts, Less Expenses and Repairs
1856 to 1859.	\$34,528 73	\$29,845 49	\$2,996 08	\$1,687 16
1860.	16,793 60	7,683 80	1,731 88	7,375 42
1861.	17,097 85	7,768 36	1,350 81	7,978 65
1862.	22,730 53	8,086 19	1,291 29	13,353 05
1863.	23,421 80	10,011 96	835 54	12,573 30
1864.	33,389 49	13,573 26	1,953 49	17,862 74
1865.	40,838 01	17,346 56	1,882 21	22,159 24
1866.	45,363 70	14,277 13	3,818 77	22,267 80
1867.	51,862 45	14,246 06	3,685 79	33,930 60
1868.	57,297 93	17,304 32	3,653 43	36,340 23
1869.	62,869 72	18,880 18	3,299 56	40,690 03
1870.	70,411 18	19,725 24	9,823 99	40,861 95
1871.	80,487 44	24,382 16	10,155 33	45,949 95
1872.	90,243 96	26,951 65	6,953 49	56,338 82
1873.	103,431 00	33,218 30	3,673 07	66,539 63
1874.	116,433 08	43,951 79	9,515 99	57,965 30
1875*.	114,602 13	57,830 17	11,566 26	45,205 70
1876.	140,935 87	51,481 59	15,966 86	73,487 42
1877.	152,794 68	50,571 46	20,673 36	81,549 86
1878.	160,125 70	47,183 44	22,453 91	90,488 35
1879.	182,173 33	44,616 59	11,182 61	126,374 13
1880.	202,877 92	47,618 76	3,296 13	146,463 03
1881.	236,221 87	56,430 19	3,586 07	171,205 61
1882.	251,994 46	57,857 47	7,885 56	186,301 43
1883.	274,614 15	61,617 58	11,598 24	201,408 33
*For ten months.				

BONDS AND INTEREST.

City bonds for water works purposes have been issued during the year amounting to two hundred and fifty thousand dollars, including fifty thousand dollars issued January, 1884.

One hundred thousand dollars of the same are four per cent. bonds and were sold with other city bonds at a premium of eleven hundred and twenty dollars.

The balance, one hundred and fifty thousand dollars are six per cent. bonds and were taken at par value and accrued interest by the Sinking Fund Commissioners of the city.

BONDS OUTSTANDING.

Four hundred thousand dollars 7 per cent. bonds, due in	-	1892
Two hundred thousand dollars 7 per cent. bonds, due in	- -	1893
Two hundred thousand dollars 6 per cent. bonds, due in	-	1895
One hundred and fifty thousand dollars 6 per cent. bonds, due in		1897
One hundred thousand dollars 3 65-100 per cent. bonds, due in		1902
One hundred thousand dollars 4 per cent. bonds, due in	-	1903

The annual interest on bonds now outstanding amounts to seventy thousand six hundred and fifty dollars.

Of the interest due in 1883 on water works bonds, thirty-nine thousand six hundred and fifty dollars was paid from the interest fund of the city and twenty thousand dollars from the water works fund.

It seems proper to note that in addition to water furnished for private use for which payment is made, a large amount is furnished for public use and to charitable institutions without charge, and that the cost of furnishing water for public use and such institutions is entirely at the expense of the paying water consumers unless a tax be levied upon the taxable property of the city for the payment of the interest on the bonded debt for water works purposes.

H. C. HAWKINS,

Secretary.

CLEVELAND, March 6, 1884.

SUPERINTENDENT'S REPORT.

To the Board of Trustees of Water Works :

GENTLEMEN—I herewith submit the twenty-eighth annual report upon the condition of the Water Works:

LAKE CRIB.

During the early part of the summer a number of the planks forming the outer sheathing of the crib were torn off during a heavy storm.

The timbers forming the walls of the structure were found to be considerably decayed in many places. New timbers were inserted in the weakest places, backed by upright posts, and new plank placed on the outside; iron straps were then placed outside of the planking and securely fastened by bolts passing through the timber wall.

The walls were further strengthened by placing additional upright timbers and braces on the inside.

The wrought iron band that had been put round the crib after its damage by the storm of September, 1878, and had become loosened by the removal of the timber blocking from under it during storms, was taken off, repaired and replaced directly on the surface of the walls, the top being at about the ordinary water line. It will now serve as a protection against the action of floating ice, instead of being, as it has been heretofore, a source of weakness and cause of anxiety.

The work done upon this band was of a very tedious and difficult character, and therefore expensive, but is permanent in its nature, and forms a part of the sub-structure of the

building. The other work mentioned is temporary and will be removed when the superstructure is rebuilt.

I renew my recommendation, made in former reports, that the superstructure be rebuilt at an early day. The weakness developed during the past season is evidence that the work cannot be longer delayed, with safety.

TUNNEL.

The flow of water through the tunnel has been uninterrupted during the year, and the quality has been, with few exceptions, all that could be desired.

BUILDINGS.

The extension of the boiler house, including a new chimney and boiler foundations, on the north lot, has been completed as originally designed. The total length of the structure is $165\frac{3}{4}$ feet with a depth of $48\frac{6}{8}$ feet.

The machine shop and blacksmith shop attached to the boiler house are respectively of the following dimensions, namely: $52\frac{3}{4}$ by $17\frac{3}{4}$ feet, and $26\frac{3}{4}$ by $18\frac{6}{8}$ feet, affording ample room for any work that can be done to advantage by the regular force employed at the works.

The new extension will contain three boilers of the marine type, each ten feet in diameter and twenty feet long, and three Cornish boilers each six by thirty feet. These boilers and their settings will be similar to those now in use.

The battlements surmounting the walls of the south pumping house have been in a dangerous condition for some time. By your order they are being removed and replaced by stone coping. The work has been delayed by the inclement weather following its commencement.

MACHINERY.

As will be seen by the report of Mr. Doty, Engineer in charge of Pumping Works, all the machinery and boilers are in good order.

The repairs made to No. 1, Worthington engine, leave it in as good condition as it was before the accident, and the plunger rods are even better than the original ones.

I agree with Mr. Doty in his suggestions relative to the removal of the Cornish engines, and using them at the high service works.

With a few repairs these engines are good for fifty years service. My reasons for their removal and their use for the high service works will be stated more at length before closing.

RESERVOIR.

The reservoir was thoroughly cleaned during the month of July. Scarcely any sediment had been deposited since the previous year. The object in cleaning it was to remove the growth of aquatic vegetation that had made its appearance a few feet below the surface of the water, and thus prevent the recurrence of the disagreeable taste and odor that appeared about the same date during the previous year. The re-appearance of the trouble was thus prevented.

MAIN PIPES.

The 36 inch main, for conveying water to the low service reservoir at Fairmount street, through Quincy street, has been laid from Willson avenue east to a point 390 feet west of Bolton avenue, a distance of 6,990 feet, at a cost of \$9.43 per foot, including all labor and materials. 140 feet of extra heavy 36 inch inlet pipe has been laid under the west embankment of Fairmount reservoir, into the north basin.

The 30 inch main for supplying water to the high service district has been laid through Woodland Hills avenue south, from a point 93 feet south of Quincy street, a distance of 2,370 feet, at a cost of \$7.08 per foot, including every item of expense; 277 feet of extra heavy 30 inch pipe for supplying water to the high service pumps has been laid under the embankments of the low service reservoir. Through these pipes water can be drawn from either basin.

Provision has also been made for taking water for the high service pumps directly from the 36 inch inlet main outside of low service reservoir.

Contracts were made in March last, for all of the 36 inch pipe and special castings necessary to complete the line from

Willson avenue to the lower reservoir, and for the 30 inch pumping and distributing main, from the high service pumping works, through Woodland Hills avenue and Kinsman street to the high service reservoir. These pipes and specials will all be delivered by April next.

Proposals should be invited at once, for furnishing such portion of the main pipes for the high service district as will be necessary for supplying the system of sub-mains that must be laid and extended as fast as the demand for water may require.

Main pipes should be laid in Woodland Hills avenue south from Kinsman street, as follows: From Kinsman street to Union street, 3,100 feet of 30 inch, with 20 inch branch in Union street west; from Union street to Way street, 2,724 feet of 24 inch, with 20 inch branch in Way street west; from Way street to Harvard street, 2,590 feet of 20 inch, with 16 inch branch in Harvard street west; from Harvard street to Miles street, 1,330 feet of 16 inch, with 16 inch branch in Miles street west.

These pipes, with the branches proposed, when laid, will, with branches already provided for in that section of the main north of Kinsman street, provide a means of supplying any portion of the territory within the high service district, through sub-mains extending from the different branches. Some of these sub-mains, particularly such as will pass through the iron manufacturing districts will undoubtedly be called for at once, and provision should be made for laying such of them as may seem most necessary for sanitary purposes, fire protection and business interests.

Your attention is again called to the necessity of another main, to be laid from the new pumping engine south, for the supply of that section of the city west of the Cuyahoga river. The streets through which it would be laid, with the length and different sizes necessary, are more particularly described in my Annual Report for the year 1881, to which you are respectfully referred.

DISTRIBUTING PIPES.

The increase in distributing pipe during the year was, for all sizes, ranging from 3 inches to 12 inches in diameter, 21 miles, 832 feet; in main pipe, 1 mile, 4,497 feet, making the total length of pipe added to the distributing system 23 miles, 49 feet. This added to the pipe laid previous to 1883, makes a total of 175 miles 4,951 feet, of which 15 miles, 2,236 feet is main pipe, and 160 miles 2,715 feet is for street distribution.

During the year, 1,932 feet of pipe was relaid, and 5 miles 1,256 feet, with the connections attached thereto, numbering 688, and measuring 3 miles 519 feet, was lowered to an average depth of six feet.

The increase in the length of pipe has been just 100 miles in ten years. During the same period, 10,012 service connections have been made.

STOP GATES.

The number of new stop gates added during the year was 424. Of these three were in the new 36 inch main. Twenty-one gates were taken out and replaced by larger ones.

The total number of stop gates now in use, of all sizes, is 3,164; of these 82 are in main pipe lines.

FIRE HYDRANTS.

The number of fire hydrants set during the year was 237, and 17 were changed from 3 inch to 4 inch water way.

The total number set at the close of the year was 1,501.

The accompanying tables give all the details necessary to a full understanding of the character and extent of the work done during the year.

SERVICE PIPES.

For the year ending December 31st, 1883, the number of new service pipes attached to the supply mains was 1872, being the largest number of connections made during any year since the introduction of lake water. These, added to the connections made prior to 1883, make a total of 16,364. Of these 664 are turned off, 815 are not extended beyond the curb line, and 44 have been abandoned and the openings

plugged, leaving the number in actual use on the last day of the year 14,841, being an increase of service pipes in use over the year 1882 of 1,918.

CONNECTIONS MADE IN 1883.

$\frac{5}{8}$ inch.....	1803
$\frac{3}{4}$ ".....	25
1 ".....	6
$1\frac{1}{4}$ ".....	5
$1\frac{1}{2}$ ".....	1
2 ".....	15
$2\frac{1}{2}$ ".....	1
3 ".....	6
4 ".....	9
6 ".....	1
<hr/>	
Total in 1883.....	1872

TOTAL CONNECTIONS.

$\frac{5}{8}$ inch.....	15440
$\frac{3}{4}$ ".....	452
1 ".....	141
$1\frac{1}{4}$ ".....	14
$1\frac{1}{2}$ ".....	23
2 ".....	132
$2\frac{1}{2}$ ".....	3
3 ".....	61
4 ".....	26
6 ".....	2
<hr/>	
Total of all sizes.....	16,364
Turned off for non-payment of rent.....	664
Not extended beyond curb line.....	815
Abandoned and plugged..	44— 1,523
<hr/>	
Number in use December 31st	14,841

WATER METERS.

The number of new meters set during the year was 147; hydraulic elevators connected 3; registering water motors 2.

The total number of meters now in use is 849; of hydraulic elevators 60; water motors 4.

The name, size and number of each size and make of meters, is as follows:

KIND OF METER.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{2}$ in.	2 in.	3 in.	4 in.	Total.
Worthington Piston....	403	204	75	83	46	14	827
Ball & Fitts Union Piston	1	.....	.....	.....	.....	.....	1
" " Rotary	2	1	.....	1	1	.....	5
Crown Rotary	5	10	.....	.....	1	.....	16
	413	215	75	84	48	14	849
Hydraulic Elevators with registers attached.....							6
Water Motors " " "							4
Total.....							918

The quantity of water measured during the year was 1,071,078,400 gallons, an increase of 143,738,150 gallons over the year 1882. The average quantity measured per day was 2,934,461 gallons.

DISTRIBUTION.

The total number of gallons of water pumped during the year 1883 was 5,187,432,657, an increase of 692,894,121 gallons over the previous year. The daily average consumption was 14,212,144, or 1,898,340 gallons more than the daily average for 1882.

The rate of increase for the year was 15.41 per cent. The cost of pumping each million gallons 100 feet high was 4.56.

FAIRMOUNT RESERVOIR.

The contract for this work was let in June to Messrs. William McReynolds, John Gawne, John Thomas Gawne, and William James Gawne, for the sum of \$269,184.50. This sum includes the cost of all embankments, excavations, puddle lining, ballasting, concrete, paving, drainage conduit, inlet and outlet chambers, stone stairs, soiling and seeding outer slopes, and all work incidental to that above named, on the basis of the quantities estimated and stated in the specifica-

tion, but does not include the inlet and outlet pipes and gates, bridges, fencing and railing. The pipes and gates are furnished by this department and are to be laid by the experienced pipe layers regularly employed at that kind of work. The contract for the bridges, fencing and railing need not be let until the work is further advanced.

The earthwork in the outer embankments is nearly completed.

The work accomplished under the contract at the end of the year, is as follows: Earth excavation 169,336 cubic yds.; hard shale excavation 17,521 cubic yds.; clay puddle 687 cubic yds. at a cost of \$53,327.00, including fifteen per cent retained upon the work done.

The two lines of 30 inch outlet pipes for supplying water to the high service pumps, and one of the lines of 36 inch pipe for the low service district have been laid under the west embankment. These pipes are respectively $1\frac{3}{4}$ inches, and 2 inches thick, and are laid on brick piers reaching down to rock. Two rings of brick masonry, laid in hydraulic cement, 8 inches thick and 20 inches lengthwise of the pipe, are built over each length of pipe; the trenches were refilled with puddled clay, thoroughly tamped. They are all laid below the bottom line of the clay puddle lining of the basin. The cost of this work was \$9,692.68.

HIGH SERVICE RESERVOIR.

Proposals were received for building the high service reservoir late in October, and the contract awarded to Messrs. Freeman and Hall for the sum of \$120,814, they being the lowest bidders. The work having been commenced so late in the year, it was not expected that much progress would be made before winter set in, but the season proved to be favorable and a large amount of work was accomplished.

The soil has been removed from the entire surface, not only of the reservoir ground but of the land from which the material for the embankments is to be taken.

The base of the embankments and the bottom of the basin

have been brought up to sub-grade line over nearly all the surface. The quantity of material removed was 34,869 cubic yards of excavation, and 600 cubic yards of gravel has been delivered on the ground.

The total cost of the work to the end of the year, including 15 per cent. retained, is \$12,684.

HIGH SERVICE PUMPS.

The different parts of the work of enlargement and extension are nearly all under contract, and some of them are well advanced toward completion. There remains only the high service pumping works and the extension of the high service main pipe south of Kinsman street, to be provided for. For high service pumping engines I would suggest the consideration of the question of removing the old Cornish engines from their present location, and using them for these works.

I ask of you a careful investigation of this proposition for the following reasons:

First. This type of engine is adapted only to a uniform service, that is, to pumping against a nearly uniform head, and does not work well while pumping into a system of pipes into which other engines are delivering water at the same time.

Second. They are best adapted to pumping through a stand-pipe and main leading to a reservoir.

Third. In their present location they deliver water through a main pipe not large enough to allow the delivery of the quantity of water they are capable of pumping, therefore their full capacity cannot be used unless expensive alterations are made, including the laying of a larger pumping main and the building of a new stand-pipe. In times of low water in the lake, and when two or more of the other engines are running, the water fails to reach the wells from which they take suction, and at such times they must stand idle.

Fourth. Their combined capacity, as they now stand, is only seven and three-fourth million gallons in twenty four hours, while, if they could deliver water into a main pipe of suitable size, through a stand-pipe of proper height, they could easily pump ten million gallons in the same time.

Fifth. The room in which they stand is of ample size to accommodate an engine of modern design, having a capacity nearly four times greater than that of both these engines.

The fact that all the water required by the city must first be pumped from the lower works is a good argument in favor of economiz ng space at that station, to the end that the time for erecting new buildings may be put off as long as possible.

Sixth. They are admirably adapted to the work that would be required of them at the high service station; the conditions would be those under which they would work to the best advantage.

Seventh. The lot secured for this station is underlaid with rock, at a depth of only a few feet below the surface, thus affording a secure and reliable foundation at the lowest cost for this class of engine.

Eighth. The cost of taking them down, putting them in thorough repair, removing them to their new location, and erecting them on new foundations, would be insignificant compared to the gain in space for increased capacity at the old works, their adaptation to the work that would be required of them, and the increase in capacity that would be given them by making the change.

While their beauty of finish and proportion may not in itself have any weight as a reason for making the change, yet when considered in connection with the other reasons given for their removal, should have its influence. When these engines were built, they were acknowledged to be the finest examples of their type in America, the builders, without solicitation, having generously donated several thousand dollars in extra finish. In their present location comparatively few persons ever see them, the approaches and surroundings not being of a nature to attract visitors. At the high service station the surroundings are different, and their beauty would be seen and appreciated.

Respectfully submitted.

JOHN WHITELOW,

Supt. and Engineer.

CLEVELAND, Feb. 29, 1884.

REPORT OF THE
ENGINEER IN CHARGE
OF THE
PUMPING WORKS.

To the Trustees of Cleveland Water Works:

GENTLEMEN: The following report of the Engineer in charge of the pumping department of the City Water Works is respectfully submitted.

CORNISH ENGINES.

No expense has been necessary upon these Engines, since my last report, and very little pumping has been done by them. They remain in the same condition as when last reported upon. Under head of recommendations I have suggested a plan by which these engines can again be made available, with your approval.

HENDERSON ENGINES.

The service of these engines has been quite satisfactory, since last reported upon, and no considerable expense has been necessary to keep them in repair. The alterations in the north engine piston, referred to in my last report, have continued to give good satisfaction, and I am still of the opinion that the same alterations in the south piston, should be made at the earliest possible moment, unless more radical measures should be adopted by your Honorable Body. While these engines remain in their present position, we shall always be deficient in boiler capacity in the south building.

No. 1 WORTHINGTON ENGINE.

Sunday evening, Oct. 14th, at 8:45 o'clock, the plunger rod in the north pump, broke in the backing key slot, without giving us the least warning. Upon examination it was found that it had been fractured for some time previous. We had reason to apprehend serious results from this accident, as the whole power of the engine was expended upon itself. A careful search, however, revealed only a fractured cylinder lug, that receives the tie rod from the pump, and the starting of the nuts on the internal high pressure cylinder head. A new steel rod was immediately provided, and the fractured lug secured by means of a heavy wrought iron strap, which relieves it from all strain and makes the part as firm as before the accident. The repairs were completed Oct. 26th, and the engine was immediately started, and ran until the 5th day of November, when the south side of the same engine met with a similar accident, excepting, instead of the plunger rod breaking, the hub, or so :ket casting, connecting the plunger rod to the plunger, broke in three pieces, the result of which was about the same as in the first instance. A defect having been discovered in this plunger rod, it was thought best to get a new one, and a much heavier socket casting. These were provided, and the repairs completed November 18th. Since that time this engine has performed her regular work in the usual manner, and shows no signs of ever having met with an accident.

I am unable to give a satisfactory cause for these two accidents, but in looking over my Journal, I find that in the early history of these pumps a slight casualty took place, in the drawing out of two suction valve seats, one from each pump, but at different times. These casualties could not happen without giving the pumps more or less of a shock, but a careful examination at the time, disclosed no damage in these parts of the machinery. The actual cause for these accidents will probably always remain a matter of speculation. How-

ever, if the drawing out of these two suction valves was the primary cause, we have nothing to fear from a repetition of these accidents to our No. 2 Worthington engine, as I inserted a clause in the specifications for those engines, requiring the valve seats to be secured by bolts and nuts in place of the lead caulking, as in the No. 1 engines.

No. 2 WORTHINGTON ENGINE.

The performance of this engine has been so perfectly satisfactory that I need only to refer you to the schedule, when you will observe that she leads the list in point of economy and amount of water pumped.

ENGINE REPAIRS.

No repairs have been necessary upon any of the engines at the Works, aside from what was done by our regular force, the expense of which will appear in the Secretary's Report of Pumping Works' running expenses, except the accidents to No. 1, which amounted to \$352.91.

BOILERS.

Three new boilers of the same size and general plan as our last three, placed in the north side boiler house in 1881, have been constructed and delivered, for the new Worthington engine now under contract. With this exception our boiler capacity remains the same as last year. Slight repairs only have been necessary, and the boilers are in good order at this time.

RECOMMENDATIONS.

In view of the fact that, during the coming year, engines must be provided to supply the new high service reservoir, I would recommend that the Cornish engines be removed from their present location in the old north side building and erected in a suitable building at the new low service reservoir on Woodland Hills av. This suggestion implies also the remov-

al of the six Cornish boilers now operated in connection with these engines. There are several important reasons for making these recommendations. A few of the most apparent, will, I think, satisfy you that they are worthy of your consideration. The Cornish engines cannot be successfully operated through the same main with any other engine, consequently, if allowed to remain in their present location, the expense of a new main from the old works to the new low service reservoir must be met. The old tower must be taken down and a new one provided, and the suction pipes extended to the new pump wells outside the building. The expense of these changes and necessities will involve a much larger outlay than would be necessary to take the engines down and erect them at the new reservoir. The valuable space they now occupy, could then be used to erect two engines of much greater capacity, and the department would not be obliged to enlarge the present building at the old works for many years.

The increasing necessity for power tools, as lathes, planes, drills, etc., for our vacant machine shop room, seems to warrant me in calling your attention to the matter, at this time. It has been our policy to do all the repairs possible, at the Works, and we now have eight pumps, large and small, and the coming summer will add another. These, in connection with fifteen boilers, must necessarily require considerable repairs. It is obvious, therefore, that with a well selected stock of tools at hand, much expense and delay can be saved to the department.

Schedule showing gallons of water pumped and coal consumed in pumping, percentage of coal consumed and water pumped by each engine, contract price of coal, coal consumed and cost of coal for raising one million gallons into reservoir:

ENGINES.	Gallons of Water Pumped by Different Engines.		Pounds of Coal Consumed by Different Engines.		Per cent. of Water Pumped by Different Engines.	Per cent. of Coal Consumed by Different Engines.	Per cent of Coal Consumed by Different Engines Pumping 1,000,000 Gallons into Reservoir	Contract Price of Coal per Ton.	Cost of Pumping 1,000,000 Gallons of Water into Reservoir.	YEAR.
No. 1 Worthington.	2,258,244,480	6,761,100	48.50	41.24	29.96	\$1 65	\$2 47	1883		
No. 2 Worthington..	2,487,972,680	7,159,200	47.00	48.67	29.37	"	2 42	1883		
Henderson.....	465,869,467	2,389,400	08.98	14.57	51.28	"	4 02	1883		
• Cornish.	27,345,990	84,800	00.52	90.52	81.01	"	2 59	1883		

Tables giving the amount of work done by the different engines during the past year, also showing all the work done since the Works were started, are herewith appended, to which your attention is invited.

Respectfully submitted.

R. DOTY.

Engineer in Charge.

CLEVELAND, Feb. 24, 1884.

TABULAR STATEMENTS.

The following pages contain tabular statements showing the work of engines, distribution of water, extension and laying of pipes, location and number of stop gates and hydrants set, abstract of expenditures, &c.

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Totals.	Remarks.
North.....	36 in.	Fairmount reservoir.....	Under embankment of the North Basin.....	140		
	36 in.	Quincy.....	From E. L. Willson avenue to 330 ft. W. of Bolton avenue.....	6,920	7,130	
East.....	30 in.	Fairmount reservoir.....	Under embankment of the North Basin.....	141		
	30 in.	Fairmount reservoir.....	Under embankment of the South Basin.....	138		
	30 in.	Woodland Hills avenue.....	From 93 ft. S. of Quincy street to 423 ft. S. of N. L. North Woodland avenue.....	2,370	2,647	
North.....	12 in.	Division.....	Between 80 in. and 13 in. pipes 25 ft. east of W. W. property.....	14		
North.....	12 in.	Division.....	From 18 ft. W. of E. L. W. property, east.....	38		
East.....	12 in.	Giddings ave.....	From 12 feet N. of N. L. Quincy street, south.....	83	135	
West.....	10 in.	Fairmount.....	From 9 feet S. of Euclid ave., south.....	10	10	
East.....	8 in.	Ansel ave.....	From T in Doan street, north.....	328		
East.....	8 in.	Ansel ave.....	From T in Republic street, north.....	695		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Totals.	Remarks.
South.....	8 in.	Bolivar.....	At Ontario street to connect 8 inch and 4 inch pipe.....	33		
West.....	8 in.	Bolton ave.....	From pipe in Quincy street, north to connect.....	653		
South.....	8 in.	Cedar ave.....	Pipe in Brenton to 38 feet east of Watkins st.....	949		
South.....	8 in.	Cedar ave.....	Pipe in Logan to pipe in Streator ave.....	538		
East.....	8 in.	Case ave.....	Pipe in Scoville ave. to 12 feet S. of Garden.....	1,851		
East.....	8 in.	Case ave.....	Pipe in Garden street to 12 ft. S. of Garden.....	33		6 to 8 iron relaid
East.....	8 in.	Columbus street.....	From N. L. Lorain to 74 ft. S. of Lorain.....	146		8 to 8 cem. relaid
West.....	8 in.	Doan street.....	From 10 ft. N. of Euclid avenue to pipe in Ansel avenue.....	1,034		
East.....	8 in.	East Madison.....	From 143 ft. S. of Woodland avenue to 280 ft. S. of Ewald street.....	1,371		
South.....	8 in.	Garden street.....	From 8 ft. E. of Willson avenue to 155 ft. E. of New street.....	480		
South.....	8 in.	Garden street.....	Pipe in Lodge avenue to pipe in Second avenue.....	768		
South.....	8 in.	Garden street.....	E. L. South Dunham avenue east. to connect pipes.....	462		
West,	8 in.	Giddings avenue.....	Pipe in Quincy street north.....	37		6 to 8 iron relaid
East.....	8 in.	Gordon avenue.....	Pipe in Lawn street, north.....	246		
North.....	8 in.	Lake street.....	Pipe in Lawrence street, east.....	629		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South.....	8 in.	Orange street.....	Pipe in Case avenue to 520 ft. W. of Forest street	1,650		
East.....	8 in.	Oxford street..	Pipe in St. Clair street, north to near L. S. & M. S. R'y	1,601		
East.....	8 in.	Oliver street.....	Pipe in Euclid avenue to N. L. Euclid avenue.....	44		
North.....	8 in.	Payne avenue.....	T in Clifton street to W. L. Case avenue	288		
North.....	8 in.	Payne avenue.....	Pipe in Perry street to W. L. Perry street.....	40		
North.....	8 in.	Quincy street.....	Between 12 in. and 8 in. pipes at Giddings avenue.....	15		
South.....	8 in.	Quincy street.....	Pipe in Madison avenue to pipe in Bolton avenue.....	2,442		
South.....	8 in.	Rockwell street.....	From 8 in to 4 in. T at W. side Public Square, west....	158		
North..	8 in.	Rockwell street.....	Pipe in Ontario street, west to 8 in. to 4 in. T at west side Public Square	287		4 to 8 iron relaid
South.....	8 in.	St. Clair street	Pipe in Willson avenue to W. L. Becker avenue..	2,870		
West	8 in.	Wood street.....	8 in. pipe in Superior street to N. L. Superior street ..	89		4 to 8 iron relaid
East.....	8 in.	Wade Park.....	N. L. Euclid avenue, north	1,642		
East.....	8 in.	Waverly avenue.....	S. L. Franklin avenue to 83 ft. S. of Lawn street.....	2,251	83,923	
South.....	6 in.	Apple..	Pipe in Orchard street to E. L. Harbor street.....	508		
East.....	6 in.	Arlington.....	T in Cedar avenue to S. L. Cedar avenue	24		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
East.....	6 in.	Armitage..	T in St. Clair street, north, to angle of street.....	1,229		
West	6 in.	Abram	T in Clark avenue to 14 ft. south of Clark avenue..	41		
East.....	6 in.	Baker street.....	T in White avenue, north.....	601		
South.....	6 in.	Barkwill.....	T in Broadway to T in Petrie street.....	1,488		
South.....	6 in.	Bayne street.....	T in Waverly street 12 ft. W. of E. L. Gordon avenue..	1,089		
East.....	6 in.	Beech street.....	P pe in Scovill avenue to N. L. Scovill avenue.....	35		
East.....	6 in.	Birch street.....	S. L. Lorain street, south.....	495		
West..	6 in.	Birch street.....	N. L. Lorain street to S. L. Franklin avenue.....	2,367		
South.....	6 in.	Bolivar street.....	Valve at Prospect street to 6 ft. E. of Erie street.....	988		4 in. cement, 6 in. iron relaid.
West.....	6 in.	Bond street.....	8 inch pipe in Superior street to S. L. Superior street ..	92		
West..	6 in.	Brenton street.....	Pipe in Cedar avenue to 152 ft. S. of Cedar avenue	178		
South.....	6 in.	Burwell street.....	Pipe in Forest street to W. L. Arch street.....	442		
South.....	6 in.	Branch.....	Pipe in Scranton to pipe in Jennings avenue.....	1,180		
East.	6 in.	Catawba.....	T in Croton to 148 feet S. of Rock street.....	328		
West..	6 in.	Cutler street.....	T in Euclid to S. L. Euclid.....	47		
South.....	6 in.	Castle ave.....	Pipe in Scranton avenue to 12 ft. W. of E. L. Abram street.....	749		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South.. ..	6 in.	Cedar avenue.....	Valve at Willson avenue to T in Arlington street.....	407		
South.....	6 in.	Clark avenue.....	Pipe in Jennings avenue to 12 ft. E. of W. L. Merchant avenue.....	648		
North.....	6 in.	Creighton street..	E. L. Perry street to pipe in Chapel street.....	536		
East.....	6 in.	Central Way.....	Valve at N. L. Jefferson street to 23 ft. S. of Sootham street.....	744		
East.....	6 in.	Clara....	Pipe in White avenue, north.....	616		
South.. ..	6 in.	Dille street.....	E. L. Broadway to pipe in Warren street.....	531		
North.....	6 in.	Division street.....	W. L. Pearl street to pipe in Hanover street.....	626		
North.....	6 in.	Davis Court.....	Pipe in Sawtell avenue, west.....	490		
East.....	6 in.	Douse street.....	Pipe in Broadway, north.....	1,137		
East.....	6 in.	Dana street.....	Pipe in St. Clair street to T in Superior street.....	2,021		
South.....	6 in.	Elm street.....	Hydrant at Winslow street to hydrant at Washington street.....	895		
East	6 in.	East Madison ave.....	188 ft. N. of Hough avenue to 87 ft. N. of Gould street	892		
East	6 in.	Florence street	Pipe in Cypress street to N. L. Woodland avenue	621		
South.....	6 in.	Franklin avenue.....	95 ft. W. of Columbus street to 273 ft. W. of Hurd street	755		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.--Continued.

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CITY DOCUMENTS.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South.....	6 in.	First alley N. of the infirmary	Pipe in Pearl street to pipe in Scranton avenue.....	490		
South.....	6 in.	Fifth avenue.....	E. L. Willson avenue to pipe in Second avenue.....	1,188		Southern's pipe.
South,....	6 in.	Fourth avenue.....	E. L. Willson avenue to pipe in Second avenue.....	1,502		Southern's pipe.
East.....	6 in.	Gaugha street.....	N. L. Broadway to pipe in Svoboda street.....	234		
East.....	6 in.	Grape street.....	Pipe in Schott street, south.....	190		
East.....	6 in.	Geneva street	Pipe in Woodland avenue to S. L. Woodland avenue....	80		4 to 6 iron relaid.
East.....	6 in.	Geneva street.....	S. L. Woodland avenue to N. L. Beaver street.....	753		
North.....	6 in.	Harlem street.....	T in Kirtland street to 18 ft. W. of Willson avenue...	796		
East.....	6 in.	Hanover street	S L. Old River street to hydrant at Division street...	431		
East.....	6 in.	Hanover street.....	Pipe in Division street to 10 ft. N. of Division street...	29		4 to 6 iron relaid.
East.....	6 in.	Hayward street.....	Pipe in Cedar avenue, south.....	811		
West.....	6 in.	Herschell street.....	Pipe in Literary street to 9 ft. S. of N. L. Marquardt street	1,721		
South.....	6 in.	Hermann.....	Pipe in Waverly avenue to pipe in St. Paul street.....	1,586		
East.....	6 in.	Hoadley street.....	Pipe in Superior street to pipe in Payne avenue.....	1,637		
East.....	6 in.	Hoadley street.....	Pipe in Superior street to pipe in St. Clair street.....	1,166		
South.. ..	6 in.	Howard street.....	Pipe in Scranton avenue to pipe in Jennings avenue. ...	914		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South.....	6 in.	Howard street..	W. L. Scranton avenue, west.....	511		
West.....	6 in.	Hewitt street.....	S. L. Euclid, south.....	926		
West.....	6 in.	Hicks street.....	Pipe in Bridge street to pipe on Franklin avenue.....	880		
		Jerry street.....	See Mentor avenue.			
West.....	6 in.	Jennings avenue	Pipe in Clark avenue to 29 ft. S. of N. L. Holmden avenue	1,159		
East	6 in.	Jessie street	Pipe in Garden street to 20 ft. N. of S. L. Cedar avenue	1,567		
North.....	6 in.	Julia street..	Pipe in Sawtell avenue to pipe in Seelye avenue....	460		
East..	6 in.	Kirtland street.....	Pipe in East Court to pipe in Superior street.....	1,121		
East.....	6 in.	Kennard street.....	S. L. Garden street to N. L. Scovill avenue.....	1,432		
East.....	6 in.	Kennard street.....	Pipe in Cedar avenue to pipe in Sibley street.....	441		
South.....	6 in.	Keyse street	Pipe in East Madison avenue to W. L. Edwards street	680		
East.....	6 in.	Lisbon street	Pipe in Woodland avenue, south.....	238		
West.....	6 in.	Logan avenue.....	Pipe in Cedar avenue, north	419		
West.....	6 in.	South Logan street.....	Pipe in Cedar avenue, south.....	1,087		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
West.....	6 in.	N. Logan street.....	10 feet N. of Euclid avenue to 9 feet N. of S. L. Lamont street	1,778		
East.....	6 in.	Lyon street.....	Pipe in St. Clair street to pipe in Superior street.....	1,863		
South....	6 in.	Lawn street.....	Pipe in Waverly avenue to pipe in Gordon avenue.....	1,254		
South..	6 in.	Mentor avenue.....	Pipe in Jennings avenue to pipe in Noyes street.....	351		
North.....	6 in.	Miller place.....	Pipe in Herschell street to 12 ft. E. of Herschell street	58		
West.....	6 in.	Moltke street.....	Pipe in Potter Court, north.....	466		
East.....	6 in.	Mead street.....	Pipe in Broadway, north.	1,103		
East.....	6 in.	Martin street.....	Pipe in Broadway to 296 N. of Warren street.....	875		
East.....	6 in.	McHenry street.....	S. L. St. Clair street to pipe in Superior street	1,102		
West.....	6 in.	Noyes street.	Pipe in Jerry street to N. L. Castle avenue.....	528		
East.....	6 in.	New street	Pipe in Garden street, south to connect pipes	17		
East.....	6 in.	Osborn street	Pipe in Scovill avenue to 12 ft. south of Garden street	1,298		
East.....	6 in.	Putnam street.....	Pipe in Scovill avenue to 7 ft. south of Garden street...	1,252		
South....	6 in.	Potter court.....	Pipe in Pearl street to pipe in Moltke street... ..	217		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Totals.	Remarks.
North.....	6 in.	Pear street	Pipe in Waverly avenue to E. L. Aspen street.....	530		
West.....	6 in.	Petrie street	Pipe in Barkwill street to T in Clay street.....	812		
West,.....	6 in.	Republic street.....	N. L. Euclid avenue to pipe in Ansel avenue.....	2,055		
East.....	6 in.	Richland avenue.. ..	Pipe in Garden street, south	18		
South..	6 in.	Rock street.....	Pipe in Catawba street, east.....	367		
West.....	6 in.	Rhodes avenue.....	Cross in Vega avenue to 161 ft. N. of Walton Avenue ..	1,021		
West.....	6 in.	Russell avenue.....	S. L. Hough avenue to 4 ft. S. of Beecher street	1,411		
West	6 in.	Swiss avenue.. ..	S. L. Lorain street, south.....	336		
East	6 in.	Sawtell avenue.....	Hydrant at Woodland avenue to 243 S. of Julia street..	2,248		
East	6 in.	Second avenue.....	S. L. Cedar avenue to N. L. Garden street	1,754		
South.....	6 in.	Seelye court.....	Pipe in Sawtell avenue, west.....	860		
West.....	6 in.	Scott street	S. L. Franklin avenue to 502 S. of Bridge street.....	1,448		
East.....	6 in.	St. Paul.	Pipe in Hermann street to 27 ft. S. of N. L. Washing- ton street	334		
South.....	6 in.	Starkweather.	Pipe in Scranton avenue to pipe in Jennings avenue...	1,004		
South.....	6 in.	Svoboda.....	Pipe in Forest street to pipe in Geauga street.....	606		
West	6 in.	Streator avenue.....	Pipe in Cedar avenue to 9 ft. S. of Euclid avenue.....	1,525		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Continued.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Totals.	Remarks.
North.....	6 in.	Schott street.....	Pipe in Gordon avenue to 74 ft. E. of Grape street.....	568		
East.....	6 in.	Slater avenue.....	Pipe in Griswold street to S. L. Woodland avenue.....	383		
South.....	6 in.	Third avenue.....	Pipe in Second avenue to E. L. Willson avenue.....	1,782		Southern's pipe.
South.....	6 in.	Vega avenue.....	Pipe in Rhodes avenue, east.....	354		
South.....	6 in.	Wade avenue..	Pipe in Rhodes avenue to 3 ft. E. of W. L. Hitchcock street.....	981		
South.....	6 in.	Walton avenue.....	Pipe in Hitchcock street to E. L. Mill street.....	686		
West.....	6 in.	Waverly avenue.....	S. L. Detroit street to N. L. Franklin avenue.....	730		
South.....	6 in.	West Clinton.....	Pipe in Waverly avenue to 12 ft. W. of Waverly avenue.....	36		
East.....	6 in.	Woodland court.....	S. L. Woodland avenue, south.....	900		
South.....	6 in.	Wilbur street.....	Pipe in Streater avenue to 7 ft. E. of Streater avenue..	43		
North.....	6 in.	Willey street.....	9 ft. E. of W. L. Scranton avenue, west.....	603		
East.....	6 in.	Wadsworth street.....	Pipe in Orange street to pipe in Croton street.....	602		
East.....	6 in.	Watkins street.....	Pipe in Cedar avenue to 8 ft N. of Cedar avenue.....	48	82,172	
East.....	4 in.	Armitage.....	From 6 in. T at angle in Armitage street, north.....	118		
East.	4 in.	Chapel.....	Pipe in Creighton street, south.....	169		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1883.—Concluded.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South.....	4 in.	Floyd.....	From Y in Jackson street, east, to Fleming alley.....	246		
West.....	4 in.	Sked.....	Pipe in Scovill avenue to 7 ft. N. of Scovill avenue.....	45		
East.....	4 in.	Rockford.....	Pipe in Superior street, north.....	581		
South.....	4 in.	Mason alley...	Pipe in Case avenue, east.....	822		
East.....	4 in.	Huntington..	Pipe in Euclid avenue to N. L. Prospect street.....	460		
South.....	4 in.	Hazen.....	Pipe in Chapel street to E. L. Perry.....	537		
West..	4 in.	Ontario.....	Pipe in Bolivar street to 24 ft. N. of Eagle street	394		
	4 in.	For Hydrants		2,490	5,312	
	8 in.	Pearl street.....	Pipe in Pearl street, west, (163 ft. S. of Monroe street.)	32		
	8 in.	Hydrants.....		50	82	
					121,489	

SCHEDULE OF PIPE TAKEN UP AND RELAID IN 1883.

Diameter of Pipe Taken up.	Diam. of Pipe Relaid.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
8 in.	8 in.	Columbus.	N. L. Lorain street to valve 74 ft. S. of Lorain street...	146		Cement.
6 in.	8 in.	Case avenue	Pipe in Garden street to 12 ft. S. of Garden street... ..	33		Iron.
6 in.	8 in.	Giddings avenue.....	From 8 in. pipe in Quincy street, north	37		Iron.
4 in.	6 in.	Geneva street.....	Pipe in Woodland avenue to S. L. Woodland avenue...	30		Iron.
4 in.	6 in.	Bollivar street.	Valve at Prospect street to 6 ft. E. of Erie street.....	988		Cement.
4 in.	8 in.	Rockwell street... ..	Pipe in Ontario street to 8 to 4 in. T at W. side of Pub- lic Square	267		Iron.
4 in.	8 in.	Wood street.....	4 in. pipe in Superior street to N. L. Superior street....	57		
8 in.	4 in.	Hydrants.....		874	1,932	

TOTAL FEET OF PIPE LAID TO DECEMBER 31ST, 1883.

	DIAMETER OF PIPE IN INCHES.										
	0	16	12	10	8	6	4	3			
Laid previous to 1883.....	2,000	35,040	10,969	11,003	12,026	8,529	69,473	139,845	383,074	135,392	14,892
Laid in 1883.....	7,180	2,647				135	10	24,001	82,173	5,312	63
Total.....	9,180	37,687	10,969	11,003	12,026	8,664	69,483	163,846	465,246	140,704	15,074
Taken up in 1883.....								146	70	1,842	274
Total in use.....	9,180	37,687		11,002	12,026	8,664	69,483	163,992	465,176	138,862	14,700
	81,480					847,515					

RECAPITULATION OF WATER PIPE IN USE.

81,436 feet of supply main.....	Equal to 15 miles, 2,236 feet.
847,515 feet of distributing main.....	Equal to 160 miles, 2,715 feet.
928,951 feet,.....	Equal to 175 miles, 4,951 feet.
9,777 feet increased supply main in 1883.....	Equal to 1 mile, 4,497 feet.
111,712 feet increased distributing main in 1883.....	Equal to 21 miles, 832 feet.
121,489 feet increased main in 1883.....	Equal to 23 miles, 49 feet.
1,932 feet of pipe taken up and relaid, of all sizes, in 1883.	

SCHEDULE SHOWING STREETS IN WHICH WATER PIPE WAS LOWERED IN 1883.

Side.	Size.	Street.	Location.	Feet.	Total.
East.....	6 in.	Case avenue.....	Pipe in Scovill to north line Woodland.....	1,294	
South.....	8 in.	Center street.....	North line Viaduct to Hemlock street.....	1,485	
		Center street.....	Intersections.....	140	
North.....	6 in.	Euclid avenue.....	Pipe in Perry to Case avenue.....	4,538	
North.....	6 in.	Euclid avenue	Kennard street to Willson ave.....	918	
North.....	10 in.	Euclid avenue ...	230 feet west of Bolton to Fairmount street.....	3,445	
		Euclid avenue	Intersections.....	456	
North.....	12 in.	Ohio street....	Erie street to 100 feet west of Brownell street.....	1,060	
		Ohio street.....	Intersections.....	56	
South.....	6 in.	Parkman street.....	From Erie to Brownell.....	1,160	
South.....	10 in.	Scovill avenue.....	West line Case avenue to Willson avenue.....	1,710	
		Scovill avenue.....	Intersections.....	144	
West... ..	4 in.	State street.....	Franklin to Clinton.....	420	
North.....	10 in.	Superior street ..	From 8 feet east of Erie to east line Perry street.....	8,260	

SCHEDULE SHOWING STREETS IN WHICH WATER PIPE WAS LOWERED IN 1883.

CONCLUDED.

Side.	Size.	Street.	Location.	Feet.	Total.
North...	4 in.	Superior street.....	Intersections.....	285	1,880
		Superior street.....	East line Public Square to 16 inch pipe in Erie street.....	1,880	
		Superior street.....	Intersections.....	100	
East.	6 in.	Water street.....	Superior to St. Clair street.....	618	27,656

5 Miles, 1,256 feet of pipe lowered.

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.

No.	Size.	Side.	Street.	Feet	Location.	Remarks.
1	4 in.	East....	Ansel avenue.	276	North of Doan street.	
1	4 in.	East ...	Ansel avenue.	140	North of Republic street.	
1	4 in.	East	Ansel avenue.	529	North of Republic street	
1	4 in.	South.. ..	Apple street.	116	East of Harbor street	
1	4 in.	East.	Armitage street.	193	North of St. Clair street ..	
1	4 in.	East.	" "	154	North of Carry street.	
1	4 in.	East	" "	524	North of Carry street.	
1	4 in.	East.	Armitage court.	118	North of 6 inch T in Armitage street.	
1	3 in.	East.	Baker street.	237	North of White avenue.	
1	3 in.	East.	" "	565	North of White avenue.	
1	4 in.	South. ..	Barkwill street.	8	West of Richardson avenue.	
1	4 in.	South. ..	" "		At angle in Barkwill street.	
1	4 in.	South.	" "	336	East of Petrie street.	
1	4 in.	South.	" "		At Petrie street.	
1	4 in.	South.	Bayne street.	213	West of Waverly street.	
1	4 in.	South. ..	" "	61	West of Aspen street.	
1	4 in.	South.. ..	" "		At Gordon avenue.	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet	Location.	Remarks.
1	4 in.	West	Birch street	247	South of Franklin avenue..	
1	4 in.	West	"	631	South of Franklin avenue...	
1	4 in.	West	"	240	North of Bridge street	
1	4 in.	West	"	238	South of Bridge street	
1	4 in.	West	"	10	South of Duke street..	
1	4 in.	West	"	104	North of Lorain street.....	
1	4 in.	East	"	145	South of Lorain street.....	
1	4 in.	East	"	495	South of Lorain street	
C. 1	3 to 4 in.	South.....	Bolivar street.....		At Prospect street	
C. 1	3 to 4 in.	South.....	"	255	East of Erie street	
1	4 in.	South.....	"	355	West of Prospect street....	
1	4 in.	West	Bolton avenue.....	144	North of Quincy street..	
1	4 in.	South.....	Burwell street.....		At Arch street.....	
1	4 in.	South.....	Branch street.....	105	West of Abram street	
1	4 in.	South.....	"		At Newell street.....	
1	4 in.	North.....	Creighton street....	183	West of Chapel street	
1	4 in.	East.....	Case avenue.....	293	South of Garden street	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANT'S SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet	Location.	Remarks.
1	4 in.	East...	Case avenue.....	634	South of Garden street.....	
1	4 in.	East.....	" "	818	North of Scovill avenue.....	
1	4 in.	South.....	Cedar avenue.....	130	West of Streater avenue.....	
1	4 in.	South..	" "		At North Logan street.....	
1	4 in.	South.....	" "	226	East of Brenton street.....	
1	4 in.	South..	" "	17	West of Brooker avenue.....	
1	4 in.	South.....	" "	93	East of Watkins street.....	
1	4 in.	East.....	Catawba street.....	304	South of Croton street.....	
1	4 in.	South.....	Castle avenue.....	54	West of Milton street.....	
1	4 in.	South.....	" "	4	West of Abram street.....	
1	4 in.	South.....	Clarke avenue.....	190	East of Jennings avenue.....	
1	4 in.	South.....	" "		At Merchant avenue.....	
1	4 in.	East.....	Central Way.....	272	South of Jefferson street.....	
1	4 in.	East..	" "	12	South of Scothan street.....	
1	4 in.	East.....	Clara street.....	164	North of White avenue.....	
1	4 in.	East.....	" "	579	North of White avenue.....	
1	4 in.	South..	Clinton street.....	286	West of State street.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	East.....	Doan street	241	North of Euclid avenue	
1	4 in.	West.....	" "	605	North of Euclid avenue	
1	4 in.	West.....	" "		At Ansel avenue	
1	4 in.	East.....	Dille street.....	202	North of Broadway	
1	4 in.	North.....	Division street.....	6	East of Hickory street	
1	4 in.	North..	Davis Court.....	450	West of Sawtell avenue	
1	4 in.	East..	Douse street.....	224	North of Broadway.....	
1	4 in.	East.....	" "	650	North of Broadway	
1	4 in.	East.....	" "	1,114	North of Broadway.....	
1	4 in.	East	Dana street	14	North of Glass avenue	
1	4 in.	East.....	" "	370	South of Glass avenue	
1	4 in.	East.....	" "	35	South of Bonna street	
1	4 in.	East.....	" "	75	North of Harriett street.....	
1	4 in.	West..	Elm street		At Washington street.....	
1	4 in.	East.....	East Madison avenue	330	South of Woodland avenue	
1	4 in.	East.	" "	336	North of Ewald street.....	
1	4 in.	East.	" "		At Grand avenue	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	East.....	East Madison avenue.....		At Lexington street.....	
1	4 in.	East	" "		At Lena street.....	
C. 1	8to4 in.	North.....	Euclid avenue.....	24	East of Sheriff street.....	
1	4 in.	North.....	" "	179	East of Perry street.....	
1	4 in.	North.. ..	" "	381	East of Oliver street	
1	4 in.	North.....	" "	816	East of Sterling avenue....	
1	4 in.	North.....	" "	800	West of Case avenue.....	
C. 1	8to4 in.	South.....	" "	49	West of Oliver street.....	
C. 1	8to4 in.	North.....	" "	867	East of Oliver street.....	
C. 1	8to4 in.	North.. ..	" "	288	East of Sterling avenue.....	
C. 1	8to4 in.	South.....	" "	1,263	West of Case avenue.....	
C. 1	8to4 in.	North.....	" "	842	West of Case avenue.....	
1	8 in.	South.....	Floyd street.....	280	East of Jackson street	
1	4 in.	East.....	Florence street	269	North of Woodland avenue.....	
1	4 in.	South.....	Franklin avenue.....		At Hunt street.....	
1	8 in.	North.. ..	First alley north of Infirmary		At Ackley street.....	
1	4 in.	South.....	Fifth avenue.....	339	West of Second avenue ...	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	South.....	Fourth avenue.....	414	East of Willson avenue	
1	4 in.	South.....	"	250	West of Second street	
1	4 in.	South.....	Garden street.....	70	West of Jessie street ..	
1	4 in.	East.....	Gordon avenue.....	152	North of Lawn street from the west.....	
1	4 in.	East.....	Grape street	150	South of Schott street	
C. 1	3 to 4 in.	East.....	Geneva street.....		At Woodland avenue	
1	4 in.	East.	"	378	South of Woodland avenue	
1	4 in.	East.....	"		At Beaver street	
1	4 in.	North.....	Harlem street.....	398	East of Kirtland street.....	
1	4 in.	West..	Herschell street.....	417	South of Literary street.....	
1	4 in.	West.....	"	75	North of Jefferson street.....	
1	4 in.	West.....	"	258	South of Jefferson street.....	
1	4 in.	West.....	"		At Marquardt street.....	
1	4 in.	South.....	Hermann street.....	148	West of St. Paul street.....	
1	4 in.	South.....	"	225	East of Weddell street.....	
1	4 in.	South.....	"	162	West of Weddell street.....	
1	4 in.	West	Hoadley street.....	306	South of St Clair street.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	West..	Hoadley street.....	866	North of Superior street.....	
1	4 in.	East.....	"	830	South of Superior street.....	
1	4 in.	East.....	"	778	South of Superior street.....	
1	4 in.	East.....	"	276	North of Payne avenue.....	
1	4 in.	South..	Howard street.....	878	East of Scranton avenue.....	
1	3 in.	South.....	"	216	West of Scranton avenue.....	
1	4 in.	South.....	"	511	West of Scranton avenue.....	
1	4 in.	West....	Hewitt avenue.....	191	South of Euclid avenue.....	
1	4 in.	West....	"	548	South of Euclid avenue.....	
1	4 in.	West....	"	917	South of Euclid avenue.....	
1	4 in.	West....	Hicks street.....	308	South of Franklin avenue....	
1	4 in.	East.....	Huntington street.....	188	North of Prospect street.....	
1	4 in.	South....	Hazen street.....	211	East of Perry street.....	
1	4 in.	West,	Jennings avenue.....	286	South of Clarke avenue.....	
1	4 in.	West.. ..	"	99	North of Buhner street.....	
1	4 in.	West.	"		At Holmden street.....	
1	4 in.	East....	Jessie street.....	318	North of Garden street.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	East....	Jessie street	723	North of Garden street.....	
1	4 in	East.....	"	384	South of Cedar avenue.....	
1	4 in.	East.....	"		At Cedar avenue	
1	4 in.	North..	Julia street.....	106	West of Seclye street.....	
1	4 in.	East.....	Kirtland street.....	16	North of Harlem street.....	
1	4 in.	East.....	"	62	North of Elizabeth street.....	
1	4 in.	East.....	Kennard street.....	308	South of Garden street	
1	4 in.	East ..	"	708	South of Garden street.....	
1	4 in.	East.....	"	329	North of Scovill avenue.....	
1	4 in.	South..	Keyes street... ..	306	East of East Madison avenue.....	
1	4 in.	South.....	"		At Edwards street	
1	4 in.	West..	South Logan street	249	South of Cedar avenue	
1	4 in.	West..	"	617	South of Cedar avenue.....	
1	4 in.	West ..	"	1,060	South of Cedar avenue.....	
1	4 in.	West ..	North Logan street.	873	North of Euclid avenue.....	
1	4 in.	West ..	"	722	North of Euclid avenue.....	
1	4 in.	West..	"	700	South of Lamont street	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	West	North Logan street.	340	South of Lamont street	
1	4 in.	West	" "		At Lamont street	
1	4 in.	East	Lyon street	314	North of Superior street	
1	4 in.	East	" "	61	North of Prosser street	
1	4 in.	East	" "	267	South of Glass avenue	
1	4 in.	East	" "	90	North of Glass avenue	
1	4 in.	South	Lawn street	318	West of Waverly street	
1	4 in.	South	" "	108	West of Aspen street	
1	4 in.	South	" "		At Gordon avenue	
1	4 in.	North	Lake street	257	East of Lawrence street	
1	4 in.	North	" "	601	East of Lawrence street	
C. 1	3 to 4 in.	North	Lorain street		At Dare street	
1	4 in.	West	Moltke street	154	North of Potter court	
1	4 in.	West	" "	451	North of Potter court	
1	4 in.	East	Martin street	158	North of Broadway	
1	4 in.	East	" "	296	North of Warren street	
1	4 in.	East	Mead street	156	North of Broadway	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet	Location.	Remarks.
1	4 in.	East.....	Mead street.....	86	North of Dakota street.....	
1	4 in.	South,.....	"	218	East of angle in Mead street.....	
1	4 in.	East.....,	McHenry street.....	260	South of St. Clair street.....	
1	4 in.	East.....	"	390	North of Superior street.....	
1	4 in.	South,.....	Mason alley.....	292	East of Case avenue.....	
1	4 in.	West	Noyes street.....	72	South of Mentor avenue.....	
1	4 in.	West.....	"	14	North of Castle avenue	
1	4 in.	South.....	Ontario street.	10	East of Bolivar street	
1	4 in.	South.....	Orange street	318	East of Forest street.....	
1	4 in.	South.....	"	308	West of Case avenue	
1	4 in.	South.....	"	13	West of Forest street	
1	4 in.	East.....	Oxford street.....	830	North of St. Clair street.....	
1	4 in.	East	"	44	North of angle in Oxford street	
1	4 in.	East.....	"	447	North of angle in Oxford street.....	
1	4 in.	East.....	"	907	N. of angle in Oxford st., or near the L. S. & M. S. R. R.	
1	4 in.	East	Osborn street.....	178	North of Scovill avenue.....	
1	4 in.	East.....	"	556	North of Scovill avenue.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet	Location.	Remarks.
1	4 in.	East	Osborn street	328	South of Garden street	
1	4 in.	East	Putnam street	291	North of Scovill avenue	
1	4 in.	East	"	668	North of Scovill avenue	
1	4 in.	East	"	160	South of Garden street	
1	4 in.	North	Pear street	260	West of Waverly street	
1	4 in.	North	"		At Aspen street	
1	4 in.	West	Petrie street	79	South of Hamm street	
1	4 in.	West	"		At Clay street	
1	4 in.	South	Quincy street	256	West of Edwards street	
1	4 in.	South	"	44	East of Edwards street	
1	4 in.	South	"	100	West of Southern avenue	
1	4 in.	South	"		At Congress street	
1	4 in.	South	"	296	West of Bolton avenue	
1	3 in.	East	Rockford street	487	North of Superior street	
1	4 in.	North	Rockwell street		At Ontario street	
1	4 in.	West	Republic street	376	North of Euclid avenue	
1	4 in.	West	"	768	North of Euclid avenue	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	West..	Republic street..	572	South of Lamont street.....	
1	4 in.	West,	"	192	South of Lamont street.....	
1	4 in.	West.....	"	61	South of Ansel avenue.....	
1	4 in.	South..	Rock street.....	358	East of Catawba street.....	
1	4 in.	West.....	Rhodes avenue.....	34	North of Erin street.....	
1	4 in.	West.....	"	7	South of Wade street.....	
1	4 in.	West.....	Russell avenue.....		At Quimby street	
1	4 in.	West.....	"	9	North of Lexington street	
1	4 in.	West.....	"	8	South of Beecher street.....	
1	4 in.	West.....	Swiss street.....	336	South of Lorain street	
1	4 in.	West.....	Scranton avenue.....	266	South of Carter street.....	
1	3 in.	West.....	State Street.....	13	South of Clinton street.....	
1	4 in.	North.....	Superior street.....	436	East of Kirtland street	
1	4 in.	North..	"	375	West of Willson avenue	
C. 1	8to4 in.	South..	"	240	East of Erie street	
C. 1	8to4 in.	North.....	"		At Muirson street.....	
C. 1	8to4 in.	South.....	"	580	East of Muirson street.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
C. 1	3to4 in.	North.....	Superior street.....	445	West of Dodge street.....	
C. 1	3to4 in.	North.....	"	144	East of Huntington street.....	
C. 1	3to4 in.	South.....	"		At Perry street.....	
C. 1	3to4 in.	East.....	Sterling avenue.....		At Euclid avenue.....	
1	4 in.	East.....	Sawtell avenue.....	443	South of Woodland avenue.....	
1	4 in.	East.....	"	15	North of Grove court.....	
1	4 in.	East.....	"	95	North of Seelye court.....	
1	4 in.	East.....	"		At Davis court	
1	4 in.	East.....	"	22	North of Julia street.....	
1	4 in.	East.....	"	243	South of Julia street.....	
1	4 in.	West	Second avenue.....	70	South of Fourth avenue.....	
1	4 in.	South.....	Seelye court.....	376	West of Sawtell avenue.....	
1	4 in.	South.....	"	820	West of Sawtell avenue.....	
1	4 in.	West.....	Scottstreet.....	432	North of Bridge street... ..	
1	4 in.	West.....	"	478	South of Bridge street....	
1	4 in.	South.....	Starkweather avenue	283	East of Scranton avenue	
1	4 in.	South.....	Starkweather avenue.	239	West of Jennings avenue.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Continued.

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No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	South.....	Svoboda street.....		At Geauga street.....	
1	4 in.	South.....	"	325	West of Geauga street.....	
1	4 in.	West.....	Streator avenue.....	420	South of Euclid avenue.....	
1	4 in.	West.....	"	352	North of Wilbur street.....	
1	4 in.	West.....	"		At Wilbur street.....	
1	4 in.	North.....	Schott street.....	225	East of Gordon avenue.....	
1	4 in.	East.....	Slater street.....	71	South of Woodland avenue.....	
1	4 in.	South.....	St. Clair street.....	155	West of Lyon street.....	
1	4 in.	South.....	"	126	West of Dana street.....	
1	4 in.	South.....	"	76	West of Munich street.....	
1	4 in.	South.....	"		At Oxford street.....	
1	4 in.	South.....	"		At East madison avenue.....	
1	4 in.	South.....	"	196	West of Merkel street.....	
1	4 in.	North.....	"	190	East of Merkel street.....	
1	4 in.	South.....	"		At Becker avenue.....	
1	4 in.	South.....	Third avenue.....	400	East of Willson avenue.....	
1	4 in.	South.....	"	791	East of Willson avenue.....	

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1883.—Concluded.

No.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 in.	South.	Third avenue..	510	West of Second avenue	
1	4 in.	South.	"	125	West of Second avenue	
1	4 in.	South.	Vega avenue	73	East of Rhodes avenue	
1	4 in.	South.	Wade avenue	423	East of Rhodes avenue	
1	4 in.	South.	Walton avenue	282	West of Mill street	
1	4 in.	East.	Waverly street		At West Clinton street	
1	4 in.	East.	"	82	South of Franklin avenue	
1	4 in.	East.	"	291	North of Bridge street	
1	4 in.	East.	"	154	North of Bayne street	
1	4 in.	East.	"		At Pear street	
1	4 in.	East.	"		At West Madison avenue	
1	4 in.	East.	Woodland court	49	South of Woodland avenue	
1	4 in.	"	"	474	South of Woodland avenue	
1	4 in.	"	"	900	South of Woodland avenue	
1	4 in.	North.	Willey street	345	West of Petroleum street	
1	4 in.	East.	Wadsworth street.	211	South of Orange street	
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RECAPITULATION OF HYDRANTS FOR 1883.

Hydrants set in 1883—of 3 inch.....	7
Hydrants set in 1883—of 4 inch.....	247
• Total Hydrants set in 1883.....	254
Total Hydrants in use December 31st, 1882.....	1,264
Total.....	1,518
Hydrants changed in 1883.....	17
Total Hydrants in use December 31st, 1883.....	1,501

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.

No.	Size.	Street.	Side.	Location.	Remarks.
1	36 in.	Quincy street	North.	East line Wilson avenue	
1	36 in.	"	North.	3 feet east of Giddings avenue	
1	36 in.	"	North.	East line Lincoln avenue	
2	36 in.	Total 86 inch stop gates.			
1	12 in.	Giddings avenue	East	North line Quincy street	
1	12 in.	"	East	South line Quincy street	
2	12 in.	Total 12 inch stop gates.			
1	10 in.	Waverly street		South line Franklin avenue	
1	8 in.	Ansel avenue		West line Dean street	
1	8 in.	Bolivar street		Connection valve 10 feet west of east line. Bolivar street and 58 feet north of south line Ontario street.	
1	8 in.	Bolton avenue		North line Quincy street	
1	8 in.	Cedar avenue		West line Brooker avenue	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	8 in.	Cedar avenue.....	South.....	West line Streater avenue.....	
C. 1	6 to 8 in.	Case avenue.....	East.....	South line Garden street	
1	8 in.	"	East.....	North line Scoovill avenue.....	
1	8 in.	Columbus street	East.....	North line of block on south west corner of Lorain and Colum- bus street, or 104 feet south of Lorain street.....	
1	8 in.	East madison avenue.....	East.....	834 feet north of Ewald street at fire hydrant.....	
1	8 in.	Lake street.....	North.....	East line Lawrence street	
1	8 in.	Orange street.....	South.....	West line Forest street.....	
1	8 in.	"	South.....	East line Forest street	
1	8 in.	"	South.....	West line Case avenue.....	
1	8 in.	Oxford street.....	East.....	North line St. Clair street.....	
1	8 in.	"	East.....	680 ft. N. of St. Clair, st. or at hydrant north of angle in st.....	
1	8 in.	Ollver street.....	East.....	North line Euclid avenue.....	
1	8 in.	Payne avenue.....	North.....	West line Perry street	
1	8 in.	Quincy street	North.....	25 feet west. of east. line Giddings avenue, and 2 feet south of north line Quincy street, from the east.	
1	8 in.	"	South.....	East line East Madison avenue	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	8 in.	Quincy street	South	East line Lincoln avenue	
1	8 in.	"	South	East line Congress street	
1	8 in.	"	South	West line Bolton avenue	
C. 1	4to8 in.	Rockwell street	North	West line Ontario street	
1	8 in.	"	South	West line Public Square	
1	8 in.	St. Clair street	South	East line Willson avenue	
1	8 in.	"	South	East line Dana street	
1	8 in.	"	South	East line Oxford street	
1	8 in.	"	South	East line Merkel street	
1	8 in.	"	South	East line Hoyt avenue	
1	6 in.	Superior street	North	West line Seneca street, from the north	
C. 1	4to8 in.	Wood street	West	North line Superior street	
1	8 in.	Wade Park	East	801 feet N. of Euclid ave., or 14 ft. N. of second hydrant.	
1	8 in.	Waverly street	East	North line Bridge street	
1	8 in.	"	East	South line Bridge street	
1	8 in.	"	East	North line Pear street	
35	8 in.	Total 8 inch stop gates.			

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Apple street.....	South.....	West line Orchard street.....	
1	6 in.	"	South.....	East line Harbor street	
1	6 in.	Armitage street ..	East	North line St. Clair street	
1	6 in.	"	East.....	North line Carry street.....	
1	6 in.	Abram street.....	West.....	South line Clark avenue.....	
1	6 in.	Baker street.....	East.....	North line White avenue.....	
1	6 in.	Barkwill street.....	South.....	West line Broadway.....	
1	6 in.	"	South.	North line Barkwill street at angle.....	
1	6 in.	"	South,....	East line Petrie street.....	
1	6 in.	Bayne street.....	South,....	West line Waverly street.....	
1	6 in.	"	South.....	West line Aspen street.....	
1	6 in.	"	South.. ..	East line Gordon avenue.....	
1	6 in.	Beech street.....	East	North line Scovill avenue	
1	6 in.	Birch street.....	West	North line Bridge street.....	
1	6 in.	"	West.....	South line Bridge street	
1	6 in.	"	East.	South line Lorain street	
1	6 in.	Bond street.....	West.....	South line Superior street	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Brenton street.....	West	South line Cedar avenue...	
1	6 in.	Burwell street	South.....	West line Forest street.....	
1	6 in.	Branch avenue.....	South.....	East line Scranton avenue.....	
1	6 in.	"	South.. ..	East line Abram street.....	
1	6 in.	"	South.	West line Jennings avenue.....	
1	6 in.	Catawba street.....	East.....	South line Croton street.....	
1	6 in.	Castle avenue.....	South.....	East line Scranton avenue	
1	6 in.	Clark avenue.....	South.....	East line Jennings avenue.....	
1	6 in.	"	South.....	West line Merchant avenue.....	
1	6 in.	Creighton street.....	North.....	West line Chapel street.....	
1	6 in.	Central Way.....	East.....	South line Jefferson street.....	
1	6 in.	"	East.....	South line Scothan street.....	
1	6 in.	Cutler street.....	West	South line Euclid avenue	
1	6 in.	Clara street.....	East	North line White avenue.....	
1	6 in.	Dille street.....	East.....	North line Broadway.....	
1	6 in.	"	East.....	South line Warren street.....	
1	6 in.	Division street.....	North.. ...	East line Hanover street	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Davis court	North.....	West line Sawtell avenue.....	
1	6 in.	Douse street	East.....	North line Broadway	
1	6 in.	Dana street	East.....	South line St. Clair street.....	
1	6 in.	"	East.....	At angle 171 feet north of Bonna street.....	
1	6 in.	"	East.....	North line Superior street.....	
1	6 in.	East Madison avenue	East.....	South line Lena street.....	
1	6 in.	Florence street.....	East.....	South line Cypress street.....	
1	6 in.	Franklin avenue	South.....	West line Hurd street.....	
1	6 in.	First alley north of Infirmary	South.....	East line Pearl street.....	
1	6 in.	"	South.....	West line Scranton avenue.....	
1	6 in.	Fifth avenue	South..	West line Second avenue.....	
1	6 in.	Fourth avenue	South.....	West line Second avenue.....	
1	6 in.	Grape street	East.....	South line Schott street.....	
C. 1	4 to 6 in.	Geneva street.....	East.....	South line Woodland avenue.....	
1	6 in.	Harlem street.....	North.	East line Kirtland street.....	
1	6 in.	Hayward street.....	East.....	South line Cedar avenue.....	
1	8 in.	Herschell street.....	West..	South line Literary street.....	

No.	Size.	Side.	Street.	Location.	Remarks.
1	6 in.	West	Herschell street	South line Jefferson street	
1	6 in.	West	"	North line Marquardt street	
1	6 in.	South	Hermann street	East line Waverly street	
1	6 in.	South	"	West line Weddell street	
1	6 in.	South	"	East line Weddell street	
1	6 in.	South	"	West line St. Paul street	
1	6 in.	West	Hoadley street	South line St. Clair street	
1	6 in.	West	"	North line Superior street	
1	6 in.	East	"	South line Superior street	
1	6 in.	East	"	North line Payne avenue	
1	6 in.	South	Howard street	East line Scranton avenue	
1	6 in.	South	"	West line Jennings avenue	
1	6 in.	West	Nowitt avenue	South line Euclid avenue	
1	6 in.	West	Hicks street	South line Franklin avenue	
1	6 in.	West	"	North line Bridge street	
1	6 in.	West	Jennings avenue	South line Clark avenue	
1	6 in.	West	"	North line Buhner avenue, from the west	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Jessie street	East.	South line Cedar avenue	
1	6 in.	"	East	779 feet South of Cedar avenue, at hydrant	
1	6 in.	"	East.	North line Garden Street	
1	6 in.	Jullia street	North..	East line Sawtell avenue	
1	6 in.	Kirtland street	East.	North line Harlem street	
1	6 in.	"	East.	South line Superior street	
1	6 in.	Kennard street	East.	South line Garden street	
1	6 in.	"	East.	South line Sibley street	
1	6 in.	"	East.	North line Cedar avenue	
1	6 in.	Keyes street	South..	East line East Madlson avenue	
1	6 in.	Lisbon street	East.	South line South Woodland avenue	
1	6 in.	Logan street	West	North line Cedar avenue	
1	6 in.	South Logan street	West	South line Cedar avenue	
1	6 in.	North Logan street	West.	704 feet south of Lamont street	
1	6 in.	"	West	South line Lamont street	
1	6 in.	Lyon street	East.	South line St. Clair street	
1	6 in.	"	East.	South line Kindsvater street	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Lyon street..	East.	North line Superior street.....	-
1	6 in.	Lawn street	South.....	West line Waverly street.....	
1	6 in.	"	South.....	West line aspen street.....	
1	6 in.	"	South.....	East line Gordon avenue.....	
1	6 in.	Mentor avenue.....	South.....	East line Jennings avenue.....	
1	6 in.	Miller place.....	North.	East line Herschell street.....	
1	6 in.	Moltke street	West..	North line Potter court	
1	6 in.	Mead street.....	East.....	North line Broadway.....	
1	6 in.	"	East.	East line Mead street, at angle.....	
1	6 in.	Martin street	East	North line Broadway	
1	6 in.	"	East.....	South line Warren street.....	
1	6 in.	"	East.....	North line Warren street	
1	6 in.	McHenry street.	East.....	North line Superior street.....	
1	6 in.	Noyes street.....	West.....	South line Mentor avenue	
1	6 in.	Osborn street	East.	North line Scovill avenue.....	
1	6 in.	Putnam street.....	East.....	North line Scovill avenue.....	
1	6 in.	Potter court.....	South.....	East line Pearl street.....	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Pear street	North....	West line Waverly street.....	
1	6 in.	Petrie street.....	West.....	South line Barkwill street.....	
1	6 in.	"	West.....	North line Clay street.....	
1	6 in.	Republic street ..	West.....	572 feet south of Lamont street	
1	6 in.	"	West	South line Ansel avenue.....	
1	6 in.	Rock street	South.....	East line Catawba street.....	
1	6 in.	Rhodes avenue	West	North line Seymour avenue	
1	6 in.	"	West.....	South line Vega avenue.....	
1	6 in.	Russell avenue..	West.....	North line Hough avenue.....	
1	6 in.	"	West.....	South-line Hough avenue	
1	6 in.	"	West.....	North line Lexington street	
1	6 in.	"	West	South line Lexington street	
1	6 in.	Swiss street	West.....	South line Lorain street	
1	6 in.	Sawtell avenue ..	East	South line Grove court	
1	6 in.	"	East.....	South line Davis street.....	
1	6 in.	Seelye court.....	South..	West line Sawtell avenue	
1	6 in.	Scott street	West,.....	North line Bridge street	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Scott street.....	West	South line Bridgestreet	
1	6 in.	St. Paul street	East	South line Hermann street	
1	6 in.	Starkweather avenue	South.....	East line Scranton avenue	
1	6 in.	"	South.....	West line Jennings avenue	
1	6 in.	Svoboda street	South.....	East line Forest street.....	
1	6 in.	"	South.....	West line Geauga street.....	
1	6 in.	Streator avenue.....	West.....	352 feet north of Wilbur street	
1	6 in.	"	West.....	North line Cedar avenue	
1	6 in.	Schott street	North.. ..	East line Gordon avenue	
1	6 in.	Slater street	East.....	South line Woodland avenue	
1	6 in.	Third avenue.....	South.. ..	16 feet east of west line Second avenue, from the south	
1	6 in.	Vega avenue	South.....	East line Rhodes avenue	
1	6 in.	Wade street.....	South.. ..	East line Rhodes avenue	
1	6 in.	"	North.....	West line Hitchcock street	
1	6 in.	Walton avenue.	South.....	West line Mill street	
1	6 in.	"	South.....	East line Hitchcock street	
1	8 in.	West Clinton street	South.....	West line Waverly street	
1	6 in.	Wilbur street	South.....	East line Streator avenue	
1	6 in.	Willey street	South.....	West line Scranton avenue	

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1883.—Concluded.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Wadsworth street	East	South line Orange street	
1	6 in.	"	East	North line Croton street	
1	6 in.	Watkins street	East	North line Cedar avenue	
141	6 in.	Total 6 inch stop gates.			
1	4 in.	Creighton street	North	East line Perry street	
1	4 in.	Floyd street	South	East line Jackson street	
1	4 in.	Hazen street	South	West line Chapel street	
1	4 in.	Huntington street	East	South line Euclid avenue	
1	4 in.	Mason alley	South	East line Case avenue	
1	4 in.	Ontario street	West	South line Bollivar street	
1	4 in.	Rockford street	East	North line Superior street	
1	4 in.	Sked street	West	North line Scovill avenue	
248	4 in.	For hydrants			
256	4 in.	Total 4 inch stop gates.			
1	8 in.	Pearl street	West	163 ft. S. of Monroe st. and 20 ft. E. of W. L. Pearl street	
6	8 in.	For hydrants			
7	8 in.	Total 8 inch stop gates.			

RECAPITULATION OF STOP GATES FOR 1883.

Waterway in inches....	in. 36	in. 30	in. 24	in. 20	in. 16	in. 12	in. 10	in. 8	in. 6	in. 4	in. 3	Total.
Set previous to 1883.....	1	82	8	17	21	19	96	239	802	1279	226	2,740
Set in 1883.....	8	.....	.....	..	.....	2	1	85	141	256	7	445
Total.....	4	82	8	17	21	21	97	274	943	1535	233	3,185
Taken out in 1883.....	.....	.....	..	..	.....	...	..	.....	1	3	17	21
Total in use December 31st, 1883.....	4	82	8	17	21	21	97	274	942	1532	216	3,164

CORNISH ENGINE, RECORD FOR 1883.
EAST ENGINE.

MONTHS.	Days.	PUMPING.			COAL CONSUMED.			Gallons of Water Pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
January.	19	147	35	66,875	18,500	68,400	84,900	21,806,875	159.894	38,452,254
February.	2	18	45	9,050	2,400	9,200	11,600	2,905,050	160.041	38,518,023
Totals and averages..	21	165	20	75,425	20,900	75,600	96,500	24,211,425	159.717	38,517,581

CORNISH ENGINE, RECORD FOR 1883.—Continued.
WEST ENGINE.

MONTHS.	Days.	PUMPING.			COAL CONSUMED.			Gallons of Water Pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
July.....	1	8	20	1,575	3,000	1,600	4,600	505,575	157.916	14,514,660
August.....	3	18	5	8,190	7,000	8,200	15,200	2,628,990	158.666	23,949,990
Totals and averages:	4	21	25	9,765	10,000	9,800	19,800	3,134,565	158.281	21,956,588

CORNISH ENGINE, RECORD FOR 1883--Concluded.
BOTH ENGINES.

	PUMPING.			COAL CONSUMED.			Gallons of Water Pumped.	Height in feet and decimals.	Duty.
	Days.	Hrs.	Min. Strokes.	Raising Steam.	Pumping.	Total.			
East engine	21	166	20 75,425	20,900	75,600	96,500	24,211,425	159.717	33,511,581
West engine.	4	21	25 9,765	10,000	9,800	19,800	3,134,565	158.291	21,956,583
Both engines	25	187	45 85,190	30,900	85,400	116,300	27,345,990	159.004	31,266,022

HENDERSON DUPLEX ENGINE, RECORD FOR 1883.

MONTHS.	Days.	PUMPING.			COAL CONSUMED.		Gallons of Water Pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.			
						Total.			
January	6	117	5	54,223	4,000	130,000	29,659,981	160.316	29,678,482
April	29	710	30	344,970	4,600	1,202,700	188,098,590	158.200	20,693,182
October ..	18	810	..	219,546	1,000	501,600	120,091,602	157.815	31,537,220
November	18	826	..	232,942	2,400	543,100	127,419,274	158.277	30,921,510
Totals and averages..	71	1463	35	851,681	12,000	2,377,400	465,869,507	158.677	25,875,742

WORTHINGTON DUPLEX ENGINE NO. 1, RECORD FOR 1883.

MONTHS.	Days.	PUMPING.			COAL CONSUMED.			Gallons of Water Pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
January.	31	737	30	349,328	2,000	608,000	605,000	216,533,860	159.478	47,754,516
February	28	672	.....	372,983	2,000	737,100	739,100	231,252,560	159.062	41,630,090
March	31	744	.....	397,114	2,000	749,600	751,600	246,210,680	158.674	43,479,392
April	14	298	45	128,254	.....	240,000	240,000	79,517,480	158.196	43,843,097
May	31	784	.....	311,456	.....	553,100	558,100	193,102,720	157.841	45,682,042
June	30	720	.....	324,880	2,400	625,800	627,700	201,425,600	157.430	42,257,676
July	31	744	.....	367,097	3,200	755,100	758,300	227,600,140	157.363	39,509,508
August.	31	743	10	383,693	800	654,600	655,400	237,839,680	157.716	47,884,703
September	30	719	10	335,953	2,200	574,400	576,600	203,293,960	157.709	47,655,473
October	14	332	45	144,187	.....	258,800	258,800	89,395,940	157.113	45,396,364
November	18	382	45	162,556	.....	326,700	326,700	100,734,720	158.055	40,785,832
December	31	744	.....	361,593	2,000	669,800	671,800	224,187,660	158.193	44,158,418
Totals and averages.	320	7572	5	3,639,104	16,600	6,752,500	6,769,100	2,256,244,480	158.069	44,071,290

WORTHINGTON DUPLEX ENGINE NO. 2, RECORD FOR 1883.

MONTHS.	Days.	PUMPING.			COAL CONSUMED.			Gallons of Water Pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
January.....	31	744	....	379,295	.....	654,300	654,300	235,162,900	159.521	47,958,847
February.....	28	672	....	368,297	.....	708,500	708,500	228,344,140	159.092	42,889,874
March.....	31	744	....	376,714	1,000	692,900	693,900	233,562,680	158.658	44,670,815
April.....	20	452	....	200,863	.....	364,800	364,800	124,535,060	158.391	45,248,890
May.....	31	744	....	305,186	.....	537,000	537,000	189,215,320	157.825	46,517,102
June.....	30	720	....	329,812	.....	617,200	617,200	204,488,440	157.530	48,656,912
July.....	31	744	....	350,092	.....	624,100	624,100	217,057,040	157.368	45,781,099
August.....	31	744	....	361,165	.....	652,400	652,400	223,922,300	157.247	45,146,389
September.....	30	720	....	310,546	.....	569,200	569,200	192,538,520	158.014	44,709,711
October.....	31	744	....	317,454	.....	588,700	588,700	196,921,480	157.873	44,151,157
November.....	26	616	....	276,311	.....	513,300	513,300	171,812,820	158.198	44,164,941
December.....	31	744	....	356,479	.....	635,800	635,800	221,016,980	158.184	45,996,407
Totals and averages..	351	8388	....	3,932,214	1,000	7,158,200	7,159,200	2,437,972,680	158.158	45,051,793

SCHEDULE SHOWING THE DISTRIBUTION OF WATER FOR EACH DAY AND MONTH IN THE

YEAR 1883.

MONTHS.	Gallons of water pumped by Cornish Engine.	Gallons of water pumped by Henderson Engine.	Gallons of water pumped by Worthington Engine No. 1.	Gallons of water pumped by Worthington Engine No. 2.	GALLONS DISTRIBUTED.			
					Per month.	Average per day.	Each inhabitant per day.	Each consumer per day.
January.....	21,306,375	29,659,981	216,583,860	235,162,900	502,712,616	16,216,536	86.26	156.09
February.....	2,905,050	.....	231,252,560	228,344,140	462,501,750	16,517,920	87.86	158.99
March.....	.....	.....	246,210,680	233,562,680	479,773,860	15,476,560	82.32	148.97
April.....	.....	188,608,590	79,517,480	124,585,060	392,751,130	13,091,704	69.64	126.02
May.....	.....	.....	193,102,720	189,215,320	392,318,040	12,382,840	65.60	118.71
June.....	505,575	.....	201,425,600	204,483,440	406,414,615	13,547,154	72.06	180.40
July.....	2,628,990	.....	227,600,140	217,057,040	447,266,170	14,428,596	76.75	188.88
August.....	.....	.....	237,889,660	223,922,800	461,811,960	14,897,160	79.24	148.89
September.....	.....	.....	208,293,980	192,538,520	400,832,460	13,861,083	71.07	128.61
October.....	.....	120,091,662	89,395,940	196,821,480	408,309,062	13,106,745	69.72	126.16
November.....	.....	127,419,274	100,784,720	171,312,820	399,516,814	13,317,227	70.84	128.19
December.....	.....	.....	224,187,660	221,016,980	445,204,640	14,861,440	76.39	188.24
Totals and averages.....	27,345,990	465,869,507	2,256,244,480	2,437,972,680	5,187,482,657	14,212,144	75.60	186.80

SCHEDULE SHOWING THE TOTAL AND AVERAGE QUANTITIES OF WATER PUMPED EACH YEAR SINCE THE BEGINNING OF THE WORKS.

YEARS.	GALLONS DISTRIBUTED.				Per cent. of Increase.
	Per year.	Per day.	Each inhabitant per day.	Each consumer per day.	
1857	127,262,265	348,664	7.75	110.68	.....
1858	142,155,434	398,467	8.37	93.44	11.70
1859	198,284,090	518,107	11.31	91.27	39.45
1860	260,220,354	710,984	14.11	105.57	31.87
1861	322,175,022	881,599	16.32	114.50	23.81
1862	369,673,092	1,012,794	19.47	120.57	14.74
1863	420,790,875	1,152,875	20.97	117.54	12.83
1864	476,114,225	1,300,858	21.68	123.89	12.14
1865	517,261,005	1,417,153	21.80	122.70	8.64
1866	587,872,320	1,609,239	22.35	124.26	13.55
1867	696,803,375	1,907,861	23.85	115.98	18.55
1868	768,786,975	2,106,265	24.77	116.08	10.40
1869	898,036,425	2,462,839	27.36	120.20	16.92
1870	1,126,223,500	3,085,558	30.86	113.20	25.28
1871	1,367,621,100	3,746,907	35.68	124.90	21.43
1872	1,686,370,895	4,607,571	40.07	131.64	22.67
1873	1,869,768,835	5,095,230	43.06	137.71	10.85
1874	2,050,252,910	5,625,150	45.36	141.10	9.65
1875	2,216,775,816	6,073,358	44.00	136.65	8.12
1876	2,399,235,403	6,573,220	49.22	131.23	8.23
1877	2,820,326,074	7,726,920	55.91	142.24	17.55
1878	2,892,946,823	7,925,882	51.13	135.05	2.57
1879	3,455,271,981	9,466,498	62.69	145.61	19.43
1880	3,725,683,021	10,179,461	65.25	145.23	7.82
1881	4,847,209,363	13,280,025	76.76	162.34	30.10
1882	4,494,538,536	12,313,804	68.41	136.04	-7.27
1883	5,187,432,657	14,212,144	75.60	136.80	15.41

**ABSTRACT OF EXPENDITURES OF CLEVELAND WATER
WORKS, FOR THE YEAR ENDING 1883.****RECAPITULATION.**

Pipe extension	\$289,608 48
General repairs.....	10,484 77
Office and general expenses....	25,909 18
Engine house expenses	36,196 30
Engine house repairs	1,826 26
Water meters.....	10,998 52
Fairmount reservoir.....	93,157 91
Kinsman street reservoir.....	25,840 95
New boiler house	21,279 26
New engines and boilers	11,532 99
Total	\$525,834 57

ANNUAL REPORT
OF THE
CITY SOLICITOR
OF THE
CITY OF CLEVELAND,
FOR THE
Year Ending December 31st, 1883.

CITY SOLICITOR'S REPORT.

To the Honorable City Council:

GENTLEMEN,—I herewith submit my report for the year ending December 31st, 1883.

The following tables disclose the litigation in which the city has been involved during the past year, and the disposition of such cases as have been finally disposed of. The result of the litigation, as will appear from an examination of the report, has been quite favorable to the city. The number of cases that have been brought against the city is somewhat larger than last year, but there has been no greater increase than the growth of the city will readily account for. The business of this Department, aside from the city's litigation, is increasing from year to year, and will continue to increase so long as the present growth of the city is maintained.

Respectfully submitted.

GEO. S. KAIN,
City Solicitor.

Report of the city's litigation for the year ending December 31st, 1883:

CASES PENDING JANUARY 1, 1883.

In the Supreme Court of the State.....	14
“ “ District Court of Cuyahoga county.....	16
“ “ Common Pleas Court.....	142
“ “ Circuit Court of the United States.....	4
“ “ Probate and Magistrates' Courts.....	0
Total.....	176

CASES COMMENCED DURING THE YEAR 1883.

In the Supreme Court of the State.....	8
“ “ District Court of Cuyahoga county.....	11
“ “ Common Pleas Court.....	50
“ “ Circuit Court of the United States.....	0
“ “ Probate and Magistrates' Courts.....	25
Total.....	94

CASES DISPOSED OF DURING THE YEAR 1883.

In the Supreme Court of the State.....	9
“ “ District Court of Cuyahoga county.....	9
“ “ Common Pleas Court.....	32
“ “ Circuit Court of the United States.....	0
“ “ Probate and Magistrates' Courts.....	24
Total.....	74

CASES PENDING JANUARY 1, 1884.

In the Supreme Court of the State.....	13
“ “ District Court of Cuyahoga county.....	18
“ “ Common Pleas Court.....	160
“ “ United States Circuit Court.....	4
“ “ Probate and Magistrates' Courts.....	1
Total.....	196

Of the cases pending on the first day of January, 1883, one hundred and four (104) were suits, including those for back taxes, in which money compensation was claimed for injuries to property and person through the alleged fault of the city. The amount claimed in these cases was distributed as follows:

In 98 cases for injury to property, the amount claimed was.....	\$321,231 76
In 6 cases for injury to person, the amount claimed was.	27,055 00
Total.....	\$348,286 76

Of the cases commenced during the year 1883, sixty-one (61) were suits, including those for back taxes, in which money compensation was claimed for injuries to property and person through the alleged fault of the city. The amount claimed in these cases was distributed as follows:

In 57 cases for injury to property, the amount claimed was.....	\$152,803 48
In 2 cases for injury to person, the amount claimed was.	11,000 00
Total.....	\$163,803 48

The total amount of damages claimed for injury to the property and person of litigants through the alleged fault of the city, in cases pending on the first day of January, 1883, and commenced during said year, is as follows, to-wit:

In 157 cases for injury to property, the amount claimed was.....	\$474,035 24
In 8 cases for injury to person, the amount claimed was	37,055 00
Total.....	\$511,090 24

SUITS FOR THE CITY.

The number of cases pending on the first day of January, 1883, and commenced during said year, brought by the city, was sixteen (16). The amount claimed in these cases was \$78,375.90.

SUITS TO RECOVER BACK TAXES AND ASSESSMENTS.

There were pending on the first day of January, 1883, and commenced during the year, seventy-five (75) cases against the present and former County Treasurers to recover back taxes and assessments collected by them for the city, involving the following amounts:

In 68 cases pending January 1, 1883.....	\$14,926 09
In 7 cases commenced during 1883.....	3,229 36
	<hr/>
Total.....	\$18,155 45

Of the said seventy-five cases two were disposed of during the year. The amount claimed was \$300.39; the amount recovered was nothing.

**AMOUNT SOUGHT TO BE RECOVERED IN CASES AGAINST
AND FOR THE CITY.**

The amount sought to be recovered in various suits for and against the city, pending January 1, 1883, and commenced during that year, exclusive of injunction suits to restrain the collection of taxes and special assessments levied by the city, ejectment suits wherein only real property was sought to be recovered, and other suits wherein no pecuniary compensation is demanded, is as follows:

IN CASES PENDING JANUARY 1, 1883.

Against the city.....	\$348,286 76
For the city.....	63,249 16
	<hr/>
Total.....	\$411,535 92

IN CASES COMMENCED DURING 1883.

Against the city.....	\$163,803 48
For the city.....	15,126 74
	<hr/>
Total	\$178,930 22
Total amount sought to be recovered	\$590,466 14

ANALYSIS OF CASES DISPOSED OF DURING THE YEAR 1883.

The following cases embrace all cases disposed of during the year 1883, in which damages were sought to be recovered for injuries to the property and person of the complainants through the alleged fault of the city. These cases do not include suits for back taxes and are nineteen (19) in number.

AMOUNT CLAIMED IN ABOVE DISPOSED OF CASES.

In 15 cases for damages to property.....	\$15,977 09
In 4 cases for damages to persons.....	22,000 00
	<hr/>
Total amount claimed.....	\$37,977 09
Amount in hands of City belonging to, and recovered by the county.....	\$6,333 35
Amount recovered for damage to property.....	896 74
Amount recovered for damage to person....	2,111 50
	<hr/>
Total amount recovered.	\$9,341 59

Cases involving \$896.74 of this amount so recovered being in the main cases in which the city was garnishee, have been taken to higher courts on error or appeal, for the purpose of reversing the judgments of the courts wherein such recoveries were had.

NATURE OF CASES DISPOSED OF DURING THE YEAR ENDING JANUARY 1, 1884.

Actions to enjoin collection of assessments.....	16
Actions for damages to property.....	7
Actions for damages to person.....	3
Actions to collect assessments.....	5
Actions to recover back taxes.....	2
Actions in replevin....	4
Foreclosure proceedings.....	5
Suits on bond.....	2
False imprisonment.....	1
Error to Police Court.....	2

Suit for extra services.....	1
Suit to set aside tax sale.....	1
Suit on creditor's bill.....	1
Actions where city was garnishee.....	15
Appropriation proceedings.....	2
Habeas corpus.....	1
Suit to recover an award.....	1
Actions against the Board of Education as garnishee.....	2
Actions to recover penalties, etc.....	3
Total.....	<u>74</u>

NATURE OF CASES PENDING JANUARY 1, 1883.

Actions to recover back taxes.....	73
Suits to enjoin collection of assessments.....	42
Error to Police Court.....	2
Actions where city was garnishee.....	7
Actions to recover awards.....	3
Actions for damages to property.....	24
Action to recover on an order.....	1
Foreclosure proceedings.....	4
Action on bond.....	1
Actions for damages to person.....	4
Suit to set aside tax sale.....	1
Suit for equitable relief.....	1
Actions to collect assessments.....	5
Suits in attachment.....	3
Actions to recover paving tax from street railroad companys....	2
Suits in replevin.....	2
Suit in ejectment.....	1
Action for dockage.....	1
Actions for false imprisonment.....	7
Actions for breach of contract.....	2
Action to recover salary.....	1
Action to recover for extra services.....	1
Actions against Board of Education as garnishee.....	2
Mandamus proceeding.....	1
Action to recover amount due on contract.....	1
Action to quiet title.....	1
Suit relating to patent pavement.....	1
Suit to subject salary.....	1
Total	<u>196</u>

A GENERAL STATEMENT SHOWING THE EXTENT AND INCREASE OF THE CITY'S LITIGATION DURING
THE PAST THIRTEEN YEARS.

	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883
Cases pending at beginning of the year.	35	17	37	81	90	99	114	154	155	225	227	186	176
Cases commenced during the year	28	59	90	79	101	109	125	108	240	105	80	82	94
Cases pending at the beginning of and commenced during the year	63	76	127	160	186	208	239	252	395	330	307	268	270
Cases disposed of during the year	46	39	46	70	87	94	85	97	170	108	122	92	74
Cases pending at the end of the year.	17	37	81	90	109	114	154	155	225	227	185	176	196

TENTH
ANNUAL REPORT
OF THE
BOARD OF
FIRE COMMISSIONERS
OF THE
CITY OF CLEVELAND,
FOR THE
Year Ending December 31st, 1883.

BOARD OF FIRE COMMISSIONERS.

ORGANIZED APRIL 28, 1883.

MEMBERS.

JAMES D. SHANNON, PRESIDENT.

Residence, 190 Wason Street.

Place of Business, Academy of Music, Treasurer.

Citizen Member. Term Expires April, 1886.

F. G. KAUFHOLZ.

Residence, 640 Walton Ave.

Place of Business, 111 Columbus Street.

Citizen Member. Term Expires April, 1884.

NICHOLAS WEIDENKOPF.

Residence, 43 Quincy Street.

Place of Business, 133 and 135 Water Street.

Citizen Member. Term Expires April, 1885.

A. J. SPENCER, Secretary.

Residence, Cataract House, 18th Ward.

Term Expires April, 1886.

JAMES JOHNSTON,

Residence 9 Cheshire Street.

Citizen Member. Term Expires April 1887.

MILTON A. GROSS.

Residence 12 Smith Street.

Council Member. Term Expires April, 1884.

OFFICERS OF THE DEPARTMENT.

JAMES W. DICKINSON,

Chief Engineer.

Office in the City Hall, Room 11.

H. H. REBBECK,

Battalion Chief and Superintendent of Telegraph.

Office in the City Hall, Room 13.

JOSEPH SPEDDY,

Battalion Chief.

Office at Engine House No. 7.

A. A. CAVANAH,

Battalion Chief.

Office at Engine House No. 4.

GEO. A. WALLACE,

Battalion Chief.

Office at Engine House No. 1.

James Dickinson was appointed Chief December 22d, 1880.

Assistants Rebbeck and Speddy were promoted to their present positions,
December 31, 1880.

A. A. Cavanah was promoted to Third Assistant, December 31, 1880. ,

STANDING COMMITTEES.

Men and Discipline:

MESSRS. JOHNSTON, GROSS and KAUFHOLZ.

Water and Supplies:

MESSRS. WEIDENKOPF, JOHNSTON and GROSS.

Engines and Apparatus:

MESSRS. KAUFHOLZ, JOHNSTON and WEIDENKOPF.

Telegraph:

MESSRS. GROSS, WEIDENKOPF and KAUFHOLZ.

Finance:

MESSRS. JOHNSTON, KAUFHOLZ and GROSS.

Equipments:

MESSRS. WEIDENKOPF, GROSS and KAUFHOLZ.

Horses and Horse Feed:

MESSRS. KAUFHOLZ, JOHNSTON and WEIDENKOPF.

Buildings and Repairs:

MESSRS. GROSS, WEIDENKOPF and KAUFHOLZ.

Condemning Committee:

MESSRS. JOHNSTON, WEIDENKOPF and GROSS.

FIRE COMMISSIONERS' REPORT.

OFFICE OF THE BOARD OF FIRE COMMISSIONERS, }
Cleveland, Ohio, December, 31, 1883. }

To the Honorable City Council of Cleveland, Ohio :

GENTLEMEN: To continue an established custom, the Board of Fire Commissioners most respectfully submits its Tenth Annual Report of the Fire Department, embracing the financial condition, covering the aggregate receipts and disbursements, for the year 1883, with the report of the Chief, accompanied by the report of the Superintendent of Fire Alarm Telegraph, and as the expense incurred by printing these Annual Reports, has already been discussed by the members of your honorable body, it is designed to make this report as brief as possible. Therefore, the names of firemen, the history of engines, etc., will be omitted from this report.

MEMBERS OF THE BOARD IN 1882 TO APRIL, 1883.

F. G. KAUFHOLZ, President.

JOSEPH SLAGHT, N. WEIDENKOPF, J. D. SHANNON.
WM. H. KING.

MEMBERS OF THE BOARD FROM APRIL 1883.

J. D. SHANNON, President.

F. G. KAUFHOLZ. N. WEIDENKOPF. JAMES JOHNSTON.
M. A. GROSS.

A cordial vote of thanks was extended to Messrs. Slaght and King, upon these gentlemen retiring from the Board, for valuable services rendered the department.

Mr. Slaght served as a member five years.

Mr. King served as a member one year.

UNIFORMED FORCE.

The uniformed force of the Fire Department consists of one Chief, four Battalion Chiefs, one of which acts as Superintendent of Fire Alarm Telegraphs, eighteen Captains, nineteen Lieutenants, thirteen Engineers, thirteen Assistant Engineers and eighty five firemen.

EMPLOYES.

One Veterinary Surgeon.

One Harness Maker, who also acts as fireman.

Three Operators.

One Line Repairer.

The force has been increased during the year by adding six men, as it was deemed expedient to repair the chemical engine and place the same in service. The experiment has proved, so far, satisfactory, as will be shown by the Chief's report, that it is a great auxiliary in extinguishing fires, during the first stages. When the funds will warrant it, an improved one should be purchased.

SCHEDULE OF SALARIES.

James W. Dickinson, Chief.....	\$ 2,200
Henry W. Rebbeck, Battalion Chief and Supt. of Telegraph.	1,785
Joseph Speddy, Battalion Chief..	1,680
A. A. Cavanah, " "	1,575
Geo. A. Wallace " "	1,575
A. J. Spencer, Secretary.....	1,500
Eighteen Captains, each.	1,008
Nineteen Lieutenants, each	840
Thirteen Engineers, "	1,008
" Assistant Engineers, each.....	840
Eighty-five Firemen, each.	816
Three Operators "	900
One Line Repairer.....	816
One Harness Maker	840
One Veterinary Surgeon.....	250

The above schedule of salaries was fixed by the Board and approved by the Council for one year, commencing July 1st, 1883, and ending June 30th, 1884, and there was no opposition manifested on the part of the Council to adopting the schedule, as sent, as it was generally conceded that the firemen were not any too well paid for risks and exposures, hence the increase of five per cent. above the firemen's salaries of the previous year.

The record of casualties has been light during the year, and this department seems to be fortunate in being exempt from the loss of life to firemen at fires. The occupation of a fireman is a dangerous and perilous one, and like the soldier who marches to battle, he is not certain of returning alive.

We are pained to record the death of two of our respected firemen.

Albert H. Burger, a fireman in Engine Co. No. 8, after a lingering illness of several weeks, died February 7th, 1883, from the effects of having swallowed a piece of an oyster shell, which lodged in his stomach.

William A. King, a fireman in Engine Co. No. 9, suffered several weeks with the typhoid fever, and died August 12th, 1883.

APPARATUS.

The apparatus of the department consists of fifteen steamers, of which five are first sized rotaries of the Silsby manufacture; four of the second sized rotaries of the Silsby manufacture; two of the third sized rotaries of the Silsby manufacture; two of the second sized piston of the Amoskeag pattern; two of the third sized piston manufactured by C. Ahrens & Co.; five hook and ladder trucks provided with ladders, fire extinguishers, buckets, etc.; one Scott-Uda ladder; five four-wheeled hose-carriages; eighteen two-wheeled hose carts; eleven heaters; one delivery wagon; three heavy open-top buggies; three fuel wagons; two telegraph wagons; six exercise wagons, and one chemical engine.

AMOUNT OF HOSE IN SERVICE AND IN STORE.

NAME OF MANUFACTURERS	KIND.	NO. OF FEET.
Fabric Fire Hose Co., Warwick, N. Y.....	Cotton.	5,850
Eureka Fire Hose Co., N. Y.....	"	2,000
American Jacket Hose Co., Chelsea, Mass ..	"	50
Boston Jacket Hose Co., Boston, Mass	"	50
Gutta Percha and Rubber Mfg. Co., N. Y....	Rubber.	3,500
Cleveland Rubber Co., Cleveland, Ohio.....	"	5,950
Akron Rubber Co., Akron, Ohio.....	"	150
Boston Belting and Packing Co., 2¾ Hose....	"	50
Caswell Manufacturing Co., 2¾ Hose.....	"	50
Eureka Fire Hose Co., N. Y.....	Cotton.	50
New York Belting Co. ¾ Hose, H. & L. Co. 5..	Rubber..	200
Carbolized Rubber Hose in Store.....	"	1,500
		19,400

There were purchased in April, 1883, of the Gutta Percha Rubber Manufacturing Co., of New York City, 4,000 feet of carbolized rubber hose, at \$1.00 per foot.

The Cleveland Rubber Co. contracted to furnish 2,000 feet of their best brand of hose, to be delivered in March, 1884, as a settlement to all previous contracts. There were 88 sections of the Cleveland hose burst during the year, 250 feet burned and 23 sections repaired and 100 feet condemned.

Carbolized hose, 10 sections were bursted and 50 feet condemned.

Of the fabric hose 9 sections burst, which were immediately repaired, and 100 feet were burned. 150 feet of Akron hose burst, and 100 feet of linen.

The total loss of hose during the year was 4,000 feet.

RECEIPTS AND DISBURSEMENTS.

MONTHS.	DISBURSEMENTS.		RECEIPTS.
	PAY ROLLS.	CLAIMS.	
Balance, January 1st, 1883			\$ 135 13
January	\$10,558 30	\$ 4,777 70	60,000 00
February	10,435 49	1,889 66	120 90
March	10,433 15	3,247 69	20,000 00
April	10,774 19	2,784 77	228 50
May	10,757 86	2,333 51	15,639 54
June	10,776 50	6,258 55	120 00
July	10,812 98	2,288 33	376 75
August	11,350 89	3,044 54	26 50
September	11,435 88	1,909 27	75 00
October	11,455 64	2,897 13	235 00
November	11,473 42	3,438 81	213 32
December	11,404 29		62,731 28
			3 75
			5,500 00
	131,668 59	34,914 96	16 00
			381 25
			330 00
			125 00
Disbursements		166,583 55	17 75
Balance		159 74	15 00
		166,743 29	452 62
			166,743 29

FIRE DEPARTMENT FUND.

RESOURCES.	
Cash on hand	\$ 135 13
General Taxes	158,370 82
Cash Deposits	2,358 39
Transfer from Market Fund	5,500 00
Warrants Not Drawn	378 85
	166,743 29
DISBURSEMENTS.	
Ordinary Expenses	166,625 66
Permanent "	2,957 89
Balance	159 74
	\$ 166,743 29

DISBURSEMENTS SINCE 1874.

	No. MIN. MEN.	No. OF FIREMEN.	No. OF HOUSES.	DISBURSE- MENTS.
1874.....	2	116	10	\$161,991 61
1875.....	54	98	11	170,976 59
1876		143	11	149,894 72
1877.....		143	13	156,019 12
1878.....		143	13	159,970 44
1879.....		142	13	151,792 99
1880.....		142	13	148,426 60
1881.....		142	13	148,713 43
1882.....		151	14	160 801 08
1883.....		157	14	166,583 55
				<hr/> \$1,575,170 16

Statement showing the aggregate amount of claims approved and ordered paid in 1883.

Services.....	\$131,668 59
Houses and repairs	2,947 83
Apparatus and repairs... ..	3,442 88
Horses, shoeing, medicine, etc.....	4,936 90
Horse feed and bedding.....	6,902 95
Harness and harness shop	179 20
Hose and hose shop	5 218 25
Fuel and light.....	3,837 67
House supplies and washing.....	1,404 43
Miscellaneous supplies.....	3,086 94
Office expenses.....	15 63
Contingent expenses	347 51
Reservoirs and repairs.....	292 85
Fire alarm telegraph... ..	2,301 92
	<hr/>
	\$166,583 55

Statement showing the aggregate amount of expenses for each Company during 1883:

	No. of Men	
Engine Co. No. 1	8	\$ 8 245 28
" " " 2	14	10,918 03
" " " 3	8	8 320 06
" " " 4	8	8,420 49
" " " 5	8	7,779 88
" " " 6	9	8 715 03
" " " 7	8	7,917 86
" " " 8	8	7 534 80
" " " 9	8	7 686 38
" " " 10	7	6,960 79
" " " 11	7	7 004 95
" " " 12	8	7,640 92
" " " 13	8	7,486 37
Hook and Ladder Co. No. 1	10	8 335 83
" " " " " 2	8	7 087 42
" " " " " 3	8	6 490 40
" " " " " 4	6	5,215 11
" " " " " 5	6	5 547 26
Supply Co. No. 1		672 07
" " " 2		506 02
" " " 3		594 28
" " " 4		242 30
Telegraph	4	6,205 42
		145,526 95

FIREMEN'S RELIEF FUND.

A law was created in 1881 for the benefit of disabled firemen, and in October of the same year, the Board of Trustees, which by the law consisted of the Mayor and the Board of Fire Commissioners, organized by selecting Mayor R. R. Herrick as president, and A. J. Spencer as Secretary. There being no pensioners drawing from the Fund, no more meetings were held until August 18th, 1882, when a claim was presented by the family of John T. Gillson, captain of H. & L. Co. No. 2, who died April 10th from the effects of inhaling sulphuric gas while at a fire. March 29th, 1883 the law was amended, which prescribes that the Board shall consist of the persons who from time to time comprise the Board of Fire Commissioners and two members of the department, to be elected by the members of said fire department. On April 28th, 1883, an election was held in accordance with the law, and Captain Wm. Long, of Engine Co. No. 4, and Wm. H. Clayton, engineer of Engine Co. No. 3, were chosen to serve as members of said Board of Trustees of the Firemen's Relief Fund one year, and the President and Secretary of the Board of Fire Commissioners are by the law made President and Secretary of the Board of Trustees of the Firemen's Relief Fund.

MEMBERS IN 1883.

JAMES D. SHANNON, President.
MILTON A. GROSS, Council Member.
JAMES JOHNSTON, Citizen Member.
F. G. KAUFHOLZ, Citizen Member.
N. WEIDENKOPF, Citizen Member.
WM. LONG, Department Member.
WM. H. CLAYTON, Department Member.

The Board decided to allow the family of Capt. Gillson, deceased, which consists of Mrs. Helen M. Gillson, Frank Gillson and Helen Margaret Gillson, who are entitled under the amended law to receive the sum of twenty-five dollars per month.

September 21st, 1883, Maurice Price was retired from the Cleveland Fire Department, because of physical disability, caused by a serious injury to the spinal column in 1881, while in the line of duty. He was placed upon the pension fund at \$40 per month.

FIREMAN'S RELIEF FUND.

Resources.	Disbursements.
1881.	
March. First Collection .. \$ 1 975 00	Mrs. Gillson's Family ... \$ 200 00
1882.	
May. Second Collection... 1 808 67	Maurice Price..... 132 00
October..... 31 00	Balance Jan. 1, 1884 5,765 74
1883.	
March..... 2,283 07	
\$6,097 74	\$6,097 74

There is also in the department a Relief Association sustained by monthly dues from firemen and donations from parties who desire to recognize the efficiency of the officers and men in fighting fires. The members of this Association desire the Secretary in this report to express their unqualified thanks for liberal donations received from various persons and firms, who have sustained losses during the year. This Association has paid out since its organization in 1868, \$29,500, and in 1883 \$1,760 were paid for 80 sick claims.

STATEMENT OF ALARMS AND CAUSES IN 1893.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Accidental	1								2			2	5
Carelessness	14	10	7			5	5	3	5	10	14	10	108
Carelessness with gasoline.		4				4	4	3	2	4	1		28
Carelessness with coal oil.		1											2
Children playing with matches..		1				2				1	1		5
Children playing with fire			1								2	2	5
Chimney burning	2		4					3		3	4	3	23
Defective flue	4	1	2			2	2	4			1	7	29
Deliberate false alarm.	2					1	3		1				7
Defective grate ..											2		2
Explosions of oil stills.		3									2		5
Explosion of sewer gas....													1
Electric light wire crossing telegraph wire.							1						1
Fire works						1	3						4
Incendiary	2	2	2								3	2	12
Ignition of gas								1	1			2	4
Ignition of acid										1			1
Leaky oil still	3					1	1	1		1			8
Lamp explosion	1		1		1								3
Lime slacking		2							1				3
Lightning							2						2
Mistaken for district telegraph..						1						1	2
Out of the city.							1			1			2
Overheating..	3			3		1			1	2	2	1	13
Police call mistaken for alarm				1									1
Reflection from stove							1				1		2
Rubbish burning ..											1		1
Swinging gas bracket									1				1
Sparks	1	2	7	12	14	8	12	6	5	8	1	2	74
Spontaneous combustion....		2	1	1		1	1	1	1			1	9
Smoke					2				1				3
Unknown	6	7	8	6	3	3	1	9	1	3	2	3	63
Unnecessary..	2	2		1	1		1	1				2	10
Total	41	43	33	40	46	27	41	32	25	25	46	39	443

STATEMENT OF LOSSES AND INSURANCE, 1883.

	Losses.	Insurance.
January	\$ 15,293 85	\$ 98,533 00
February ..	269,654 20	149,900 00
March.....	16,185 00	49,400 00
April.....	75,548 70	351,150 00
May.....	37,286 41	155,759 50
June.....	5,383 00	41,850 00
July.....	5,121 00	30,900 00
August.....	18,661 15	82,700 00
September.....	3,340 00	129,200 00
October.....	18,804 50	61,500 00
November.....	44,118 86	110,000 00
December.....	3,053 75	121,300 00
	\$502,449 92	\$1,883,102 00

LOSSES AT FIRES DURING THE YEAR OF \$1 000 AND UPWARD

January	6—Rees, Weber & Co., 587 Pearl street.....	\$ 5,500 00
"	16—Thomas Gray, 103 Main street.....	3,200 00
"	28—C. C. C. & I. R. R. Co, one sleeping coach.....	3,000 00
February	6—Powell Tool Co., Elm street.....	5,649 00
"	7—Roger & Son, 205 Ontario street.....	1,401 00
"	9—Albert Tilton, 578 Walton avenue.....	2,340 00
"	10—Raims & Wiggins, 261 University street.....	5,180 00
"	3—Standard Oil Co., Broadway.....	180,000 00
"	14—Pettee's Hat Factory, Academy street..	10,280 40
"	21—Captain Henry Wilson, East Prospect street.....	3,500 00
"	27—Myers, Osborn & Co., 213 West River street.....	50,000 00
March	19—H. B. Hunt, 14 to 20 Hickox street.....	5,376 00
"	29—Sheets Bros., 2,187 Broadway.....	4,400 00
"	31—Joseph Charda, 72 Isabella street ...	1,500 00
April	9—Taylor & Boggia, 65 Central Way.....	82,546 91
"	19—Davidson & House, 101 Scranton avenue.....	38,739 19

April	28—D. Conley, 29 Center street.....	1,600 00
May	13—Wm. H. Haight, 1,917 Jones avenue.....	1,127 50
"	26—C. Scofield, Lowe and Oxford streets.....	31,180 41
June	4—Aniline Oil Works.....	3,000 00
August	6—C. Wheelock & Co., 212 Broadway.....	7,600 00
"	16—John Stenger, 6 Prune street.	1,500 00
"	17—J. M. Stewart, 252 Brownell street.....	1,150 00
Septe'ber	27—N. & P. Nail Co., Case avenue.....	1,000 00
October	6—Barnhardt Myers, 21 Liberal street.....	5,500 00
"	6—Samuel Hawkins, 56 Cherry street	1,000 00
"	6—Adam Kraus, 52 Cherry street.....	1,150 00
November	4—Schmidt & Hoffman, Doan avenue.....	3,924 00
"	15—Excelsior Oil Works, Atlantic street.....	1,500 00
December	8—C. O. Bartlett & Co., Clark avenue.....	1,675 00
"	9—Union Rolling Mill Co., Aetna street.....	—

It will be rembered that February 3d, a fire broke out at the Standard Oil Works on Broadway and Kingsbury Run. This was the most disastrous fire during the year. The department as usual received the congratulations of our citizens for its untiring effort to save for the company its property, and the company appreciated the work done by a liberal contribution to the relief fund. On account of the very high waters at the time, the burning oil floating upon the surface threatened the whole city, but the skill of experienced officers and the continued efforts of the men prevented the spreading of the fire beyond the works.

CHIEF'S REPORT.

To the Honorable Board of Fire Commissioners:

GENTLEMEN:—I have the honor to submit herewith the report of the operations and actions of the department for the year ending December 31st, 1883.

The department has responded to four hundred and forty-two alarms of fire, thirty-one hundred nineteen and three-quarters miles run, ten hundred and eighty five hours worked, as will be shown by the following table.

Companies.	No.	No. of Fires Attended.	No. of Miles Run.	No. of Hours Worked.
Engine Company.....	1	125	191 $\frac{1}{4}$	61
“ “.....	2	144	196	72
“ “.....	3	135	248	64 $\frac{1}{2}$
“ “.....	4	132	229	72 $\frac{1}{2}$
“ “.....	5	28	55	38
“ “.....	6	88	139	24 $\frac{1}{2}$
“ “.....	7	101	313	88 $\frac{1}{4}$
“ “.....	8	49	113 $\frac{1}{2}$	48 $\frac{1}{2}$
“ “.....	9	68	174	72 $\frac{1}{4}$
“ “.....	10	16	36	41 $\frac{1}{2}$
“ “.....	11	28	65 $\frac{1}{2}$	29 $\frac{1}{4}$
“ “.....	12	41	67	20 $\frac{1}{4}$
“ “.....	13	50	173	68 $\frac{1}{4}$
Hook and Ladder Co.....	1	142	201	108
“ “ “ “.....	2	145	266	83
“ “ “ “.....	3	108	316	122
“ “ “ “.....	4	28	100 $\frac{1}{2}$	33 $\frac{1}{2}$
“ “ “ “.....	5	30	88 $\frac{1}{2}$	15 $\frac{1}{2}$
Chemical Engine.....		114	147	26
Total.....		442	3,119 $\frac{1}{4}$	1,085

The department has made four hundred and sixty-five inspections in the mercantile and manufacturing districts, and there have been one hundred and ninety-eight dangerous places made safe. The old adage "An ounce of preventive is worth a pound of cure," is clearly demonstrated by the time devoted to these inspections.

I have caused the school buildings, churches, public assembly halls, theaters and hotels, to be inspected, and fire escapes to be put up, and proper exits to be made, and doors to swing out, to conform with the State Law.

There have been one hundred and twenty-five escapes put up during the year. Thirteen persons were burned by carelessly handling gasoline, one of whom was fatally burned.

The attention of the Board is called to the actual need of water in the outer districts, and the Water Works Trustees should be consulted, and if possible, induced to place more hydrants in the center of the city, and I would suggest a different hydrant, with independent shut offs, for each opening.

The necessity for more fire apparatus is apparent to all, and should receive immediate attention, or something very serious may result from neglecting so important a consideration. Some of the apparatus is getting old, and ought to be replaced with new.

It affords me pleasure to state that the discipline of the department has been kept up to its usual standard.

I desire to express my gratitude to his honor the Mayor, the Board of Fire Commissioners, and to all with whom I have had official dealings, for courtesies extended to myself and associates during the year, and in conclusion I desire to return my sincere thanks to the Battalion Chiefs, to the company officers, and to the members of the department for their promptness and zeal shown in the discharge of their duties, and for the successful workings of the department.

Respectfully submitted,

J. W. DICKINSON, *Chief.*

VETERINARY SURGEON'S REPORT.

To the Honorable Board of Fire Commissioners, through Chief Dickinson:

I respectfully submit, for your consideration my report since my appointment to the Department, up to date:

There are at present seventy-five horses in the Department, all of which are fit for service, with one exception.

I have been called upon to attend to one hundred and ten different cases, with very satisfactory results, excepting one case, that horse succumbing to paraplegia.

The general condition of the Department horses is all that could be expected, and a long continuance is sincerely hoped for by the undersigned.

Respectfully,

JOHN CROTTY.

Respectfully forwarded,

J. W. DICKINSON, *Chief.*

FIRE ALARM TELEGRAPH.

OFFICE OF THE FIRE ALARM TELEGRAPH, }
December 31st, 1883. }

To the Honorable Board of Fire Commissioners :

GENTLEMEN :—In accordance with the rules and regulations of the department, I have the honor to submit my Annual Report in detail, for the year ending December 31, 1883.

During the year there have been four hundred and twenty-three alarms from boxes, fifty-six still alarms and twenty-eight special calls received in this office and transmitted to the department.

The system consists at present of seventy-five circuits, with alarm boxes and receiving instruments, in the same circuits both fire and police stations, and I would suggest a change made that would be more reliable.

1. There ought to be constructed three new circuits No. 8 gauge galvanized wire, these circuits to connect with the fire and police stations only, and that all the receiving fire alarm instruments be placed in these circuits. By this arrangement the fire lines could be kept separate, and the alarms would not be delayed on account of troubles on the lines, as often occurs under the present system, and the tapping on the fire-gongs would be greatly diminished, so that when these gongs were struck, the members of the department would be more prompt in responding.

With the present arrangement some of the lines are constantly in trouble, because of so many telegraph, telephone and other lines being strung through the city, and it is a very difficult matter to keep the lines clear, especially in stormy and bad weather. Therefore, I would most earnestly suggest that the attention of the Council be called to the necessity of placing telegraph, telephone, electric light and electric power wires underground, as in some other cities.

2. I would suggest that the alarm or twelve taps preceding the number of the box be taken out, and the instruments made to run faster and give the number of the box or station only. This would be, in my judgment, a great improvement to our system. The city has grown to that extent that our present system is not as serviceable as in the past.

You may ask, "Why not use the present talking circuits for the bell circuits?" I would say that this is only in two circuits and old, being constructed in 1869, and is good enough for what it is now used, and will be for some years; besides, it would cost almost as much to rebuild those lines and put them in proper shape, as it would to construct the new lines.

The same instruments that are now in use in the fire and police stations can be used by adding another relay and key in the new circuits.

During the year there have been ten new alarm boxes put in circuit, one of which was purchased by the Britton Iron and Steel Co. The department run wires to the works and connected it in circuit, making one hundred and eighty-four fire alarm boxes. The alarm in the office is known as box 2, making a total of one-hundred and eighty-five fire alarm stations.

The telephone on the viaduct has been serviceable, as the watchmen have notified this office of a number of fires which have occurred on the flats.

The locks on all the alarm boxes have been changed into trap key locks. The old keys have been collected and new ones have been issued, as follows: To the Fire Department, 157; to the Police Department, 250; to the Merchant Police, 6; to the Cleveland District Telegraph, 1; to house holders, 340; to citizens, 90. The Commissioners and Officers of the Department are supplied with release keys. I would suggest that signs be placed over each box, showing the location of the keys, as most of the unknown key holders have changed their keys and been supplied with new ones.

The Fire Alarm Office and apparatus have been removed from room 13 to room 14 in the City Hall, which has been fitted up and is more convenient for the wires and much less annoyed by the noise from the street.

The condition of the fire alarm wires is good, with the exception as follows: South of Euclid avenue, west of Wilson avenue, north of Kingsbury Run to Broadway and Sheriff street to Euclid avenue; the wire in that district is old, and mostly on house tops, and should be replaced with new wire on poles.

The plain steel wire which was put up in the 18th Ward in 1874 is also not reliable and should be replaced with new.

The amount of wires strung in the city, is about as follows: Fire line, 150 miles; talking line, 35 miles; police line, 35 miles; and all the telephone lines out of this office, 75 miles; total 295 miles.

WIRE STRUNG ON POLES AS FOLLOWS:

CITY.	WESTERN UNION.	ATLANTIC & PACIFIC	AMERIC'N UNION.	MUTUAL UNION.	TEL'PH'NE Co.	POSTAL.
1 205	122	115	180	132	180	28

The Telephone Company has wire on 751 city poles, and the Western Union has wire on 30 city poles.

The West Side is connected by cable under the river, and previous to 1873, considerable trouble was experienced with vessels dragging anchors, which pulled up the cables. In 1873, a three inch pipe was laid across the river at the foot of Ohio street, and a cable was draughted through it. At present the pipe has one ten wire cable in it, in good working order. The Telephone Company has two twenty wire cables in it, and this company has erected two new cable houses, one at each side of the river, as the old ones were badly damaged and worthless. This system of laying a cable across the river was so successful that in 1878 a six inch pipe was placed across the river at the foot of Superior street. The Western Union Telegraph Co. paid half of the expense of laying the pipe, built the two cable houses and furnished the city with the necessary cables. At present the company has two fifteen wire cables through said pipe and the Telephone company has two thirty wire cables through. The Telephone company supplies this department with twenty-five sets of telephones, free of rental, and the Manager, G. W. McKinstry, is very courteous and extends every reasonable favor desired, exchanging instruments, &c., when out of order.

The annexed tables will show the number of alarms struck each hour, and each day of the week, and boxes from which the alarms came.

I have prepared a list locating the boxes and giving the names and residences of key holders, which I would suggest be printed on cards for distribution.

Respectfully submitted.

H. H. REBBECK,

Supt. Fire Alarm Telegraph.

TABLE No. 1.
SHOWING NUMBER OF ALARMS FOR EACH HOUR OF THE DAY DURING THE YEAR.

1883.	A. M.												Total A. M.	P. M.												Total P. M.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
January.....	1	2	...	1	...	1	2	3	3	...	3	4	20	2	1	1	2	4	2	2	2	3	2	...	1	22	42
February...	3	2	1	2	2	1	2	...	2	2	17	2	1	1	...	1	...	1	3	4	1	2	6	22	39
March.....	1	...	1	1	1	1	...	...	...	...	3	4	13	1	...	...	2	2	2	2	5	4	2	...	20	38
April.....	3	...	1	1	...	1	3	3	1	1	1	...	15	1	1	3	3	1	1	3	2	2	2	1	19	34	
May.....	1	4	...	...	1	...	...	1	3	6	3	...	19	3	4	2	7	1	1	...	3	1	...	2	26	45
June.....	1	...	...	...	...	1	...	2	1	1	1	...	7	...	2	1	3	4	1	1	3	1	...	3	19	26
July.....	...	...	...	...	2	1	1	1	1	...	4	1	11	3	4	4	9	1	1	2	2	2	5	3	37	48
August.....	2	1	...	...	...	...	1	1	1	...	1	...	10	1	3	4	...	1	2	...	3	...	1	...	18	28
September..	1	2	...	2	3	1	...	1	1	...	...	...	12	...	...	1	2	1	...	1	...	2	1	2	11	23
October.....	...	...	...	...	...	...	...	...	...	...	2	4	6	4	...	...	...	3	1	...	2	2	...	3	18	24
November..	...	2	1	...	...	1	2	...	3	3	2	...	14	2	4	5	1	9	...	4	...	2	2	...	31	46
December...	...	1	2	1	...	4	...	3	2	...	1	2	16	3	3	...	3	...	2	1	1	3	2	2	20	36	
Total.....	13	14	5	6	8	13	11	16	18	14	25	17	160	23	23	22	32	23	13	17	26	20	20	17	23	263	423

TABLE No. 2.
SHOWING THE NUMBER OF ALARMS FOR EACH DAY AND MONTH
DURING THE YEAR.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Sunday.....	1	2	5	6	7	4	3	2	2	3	7	8	50
Monday.....	2	2	7	4	6	5	12	5	5	7	6	8	69
Tuesday.....	5	8	1	6	10	4	3	4	2	2	3	3	51
Wednesday.....	15	7	3	5	6	3	13	2	5	2	5	2	63
Thursday.....	6	3	6	3	6	3	4	4	1	..	14	6	56
Friday.....	4	4	6	1	8	6	8	7	4	6	6	3	63
Saturday.....	9	13	5	9	2	1	5	4	4	4	4	6	66
Totals.....	42	39	33	34	45	26	48	28	23	24	45	36	423

TABLE No. 3.
SHOWING THE NUMBER OF ALARMS FROM EACH BOX DURING
THE YEAR.

Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.	Boxes.	Alarms.
2	...	26	1	51	4	76	1	127	8	152	2	218	1	814	1	421	2
3	4	27	5	52	2	81	3	128	...	153	8	219	....	815	...	423	6
4	6	28	8	53	....	82	4	129	...	154	8	221	2	816	8	424	....
5	2	29	...	54	3	83	5	131	2	156	1	232	2	817	....	425	....
6	1	31	5	56	1	84	1	132	17	157	2	234	4	818	1	426	3
7	...	32	5	57	1	85	7	134	...	162	4	235	....	819	...	427	5
8	2	34	2	58	2	86	...	135	3	163	2	236	1	821	...	428	....
9	....	35	5	61	2	87	6	136	3	164	2	237	1	823	2	431	....
10	1	36	2	62	2	91	1	137	6	165	1	238	..	824	...	432	1
12	7	37	....	63	....	92	3	138	1	171	1	241	2	825	9	434	7
13	....	38	5	64	...	93	...	139	2	172	2	242	1	826	....	435	7
14	4	39	3	65	3	94	7	141	...	173	8	243	....	827	1	412	....
15	1	41	...	67	1	95	4	142	2	175	1	245	2	841	....	413	3
16	1	42	1	68	1	96	3	143	3	178	...	246	1	842	1	416	1
18	5	43	3	69	4	97	....	145	4	212	....	247	1	845	2	....	....
19	10	45	1	71	....	121	2	146	2	213	1	251	....	846	....	....	....
21	6	46	1	72	....	123	5	147	...	214	2	252	4	847	...	....	....
23	3	47	2	73	12	124	7	148	...	215	2	256	1	851	2	....	....
24	7	48	2	74	1	125	12	149	1	216	1	312	....	854	....	....	....
25	17	49	..	75	4	126	4	151	3	217	2	313	...	862	....	....	....
	77		51		43		75		53		40		23		23		35

Total..... 423

The oft-repeated expression that "*the fire department is a department of emergencies*," is becoming almost as popular as Shakespeare's character Polonius, who accuses Hamlet of "*Still harping on my daughter.*"

This Board is well aware that each member of the City Council sees the actual necessity of affording more and better facilities for protecting our citizens against a devastating conflagration, which is liable to occur at any time. A number of instances have already occurred, when, had another fire broken out at the time nearly all the apparatus and companies were employed, untold damages would have been the result. Other cities have learned by experience to make ample provisions to guard against loss by fire. New York, Chicago, Buffalo, Boston, St. Louis, Cincinnati, &c., have well regulated and efficient departments, and almost every request made in these cities for more men or improved apparatus is readily granted. This Board has no cause to complain for courtesies extended by the City Council, for all requests have been promptly granted; but the Board has been prohibited from making necessary requisitions on account of the crippled condition of the fund. And yet there seems to be no one to blame for this depleted condition, for there is a certain amount of tax levied, and this department shares with the rest.

In view of the large increase to the Police and General Funds from the benefits derived from the "Scott Law," it is expected that the next levy will be so apportioned as to give to this department a sufficient amount to satisfy largely the demands made upon it "*for better fire protection.*"

The insurance companies have already become alarmed and threaten to inflict upon our citizens a greater rate of insurance. They have learned that some of our engines have been in service more than fifteen years, (and ten years is the life of a boiler.)

Quite a number of hose carts need to be replaced with new ones, as some of them have been in service since the depart-

ment was organized. This old apparatus is constantly getting out of repair, and requires quite a sum for that purpose alone. The boilers in engines Nos. 7 and 13 have been burned so much as to render them almost useless. The influential citizens are making strong demands for more engine companies, and these petitions ought to be considered and if possible some means devised to meet these necessities.

An estimate was made for expenses during the year, of \$186,000, and to this amount was added \$20,000 to establish a new company. The receipts from taxes amounted to \$158,370.82, and the expenses \$166,583.55. It was found necessary before the year closed, to ask that the fund be augmented by \$5,500, and this request was cheerfully granted by a transfer from the Market Fund.

This increase of expenses above those of 1882, was caused as follows:

Services by increasing the number of men and five per cent.	
raise on firemen's salaries.....	\$12,704 17
Repairs on Chemical Engine.....	280 37
Additional expense by putting Chem. in service.....	633 00
One new wagon.....	175 00
Telegraph Instruments, Alarm Boxes, Register, Galvano-	
meter, &c.....	1,795 72
Paving.....	987 15
Painting the several houses.....	949 00
	<hr/>
	\$17,524 41

It will be observed that it requires about \$165,000 for ordinary expenses, as the department now exists, yearly, and extraordinary expenses cannot be estimated, for the loss of an engine, hose, horses, carts, &c., is liable to occur at any time, and as we have before remarked, it is wisdom to prepare for these emergencies, and a surplus of \$15,000 is not too great.

By order of the Board,

A. J. SPENCER, *Secretary.*

THIRTEENTH ANNUAL REPORT
OF THE
Directors and Superintendent
OF THE
WORKHOUSE
AND
HOUSE OF REFUGE AND CORRECTION,
TO
THE CITY COUNCIL OF CLEVELAND,
FOR THE YEAR 1883.

To the Honorable the President and Members of the City Council:

GENTLEMEN:—I have the pleasure herewith to present to your Honorable body, this, the Thirteenth Annual Report of the Board of Directors and Superintendent of the Workhouse and House of Correction and Refuge, together with the Report of the attending Physician, being for the year closing December 31st, 1883, and beg to call your careful attention to the facts, figures and suggestions therein contained, and request that the same be ordered printed in pamphlet form.

By order of the Board of Directors.

Respectfully submitted,

W. D. PATTERSON,

Sup't and Sec'y.

Ordered printed, Feb'y 18, 1884.

Officers.

BOARD OF DIRECTORS.

L. F. BURGESS,
GEO. H. WARMINGTON,
S. M. STRONG,
S. BUHRER,
R. E. MIX.

OFFICERS OF BOARD.

L. F. BURGESS,	- - - - -	PRESIDENT.
S. M. STRONG,	- - - - -	VICE PRESIDENT.
W. D. PATTERSON,	- - - - -	SECRETARY.

OFFICERS OF THE INSTITUTION,

Superintendent,

W. D. PATTERSON.

Deputy Superintendent,

JOHN A. McINTOSH.

Deputy Superintendent of Refuge Department,

ALEXANDER McBANE,

Book-keeper,

EDGAR B. PATTERSON,

Assistant,

A. J. NALY.

Principal Matron,

MRS. M. A. PATTERSON.

Physician,

DR. P. H. SAWYER.

DIRECTORS' REPORT.

1944-1945

REPORT OF THE DIRECTORS.

To the Honorable Mayor and City Council of the City of Cleveland, Ohio :

GENTLEMEN:—It is with pleasure we submit for your consideration and inspection the Thirteenth Annual Report of our able Superintendent of the Work House and House of Correction. This Report seems to be so full and complete, there is but little left for the Directors to say. However, we will venture a few remarks and suggestions.

We had in the treasury January 1, 1883, \$20,361.08 and deposited during the year \$80,640.10. Received from tax levy during same time \$16,243.16. Making \$117,244.34.

And drew warrants against the same during the year \$106,478.25, leaving to the credit of the House January 1, 1884, \$10,766.09, out of which our December bills are to be paid, amounting to \$6,893. 20, leaving a balance of \$3,872.89.

Our financial condition is not to our liking. We are a manufacturing establishment without capital, and are working on credit with short means, and the result is we have to go into the market to buy from whom we can, and the best we can on credit, and you can readily see that our raw material and supplies cannot be bought as cheaply on time as for cash.

Therefore we would advise and recommend the city to furnish this institution, at an early day as practical, a working capital of not less than \$50,000. We understand this plan is adopted in other cities, and as far as we can learn proves a success, and at the same time removes the embar-

rassment of the directors asking for money so often from the City Council.

We have in the Workhouse (54) more prisoners than at same date the] previous year. Please refer to the tables Superintendent's report.

HOUSE OF REFUGE.

We have in this House seventy-two (72) children more than the previous year, and a good many of them so young they hardly know why they are sent to the House of Refuge. This increase is largely due to our courts committing to the House of Refuge children for no other cause than running away from school or home. This condition of things should not exist, and instead of the courts committing this class of children to the House of Refuge, they should compel their parents to take these children home and give them better care.

The school under Mr. McBane and lady teachers, Mrs. Doty and Mrs. Worthington, have done good and satisfactory work.

The health of the people in our institution for the past year, has been all we could ask, under the watchful care of Doctor Sawyer, and to his report we refer you.

We cannot close our report without a word for our Superintendent and Matron, Mrs. Patterson, with the co-operation of the Deputy, Mr. McIntosh. The business and the affairs of the institution have gone pleasantly, harmoniously, and very satisfactory to the Directors.

The discipline of the inmates has been good, and at the same time the prisoners have been treated humanely, and allowed all the privileges it was possible to give them.

The domestic part of the house has been orderly and scrupulously clean, which has added not only to the comfort, but to the health of the inmates, all of which is due to the indus-

try of the Matron, and at the same time Mrs. Kennedy, the Matron over the girls' department, is worthy of praise for the management of the girls under her charge.

Respectfully submitted,

L. F. BURGESS,
S. M. STRONG,
GEO. H. WARMINGTON,
S. BUHRER,
R. E. MIX.

Superintendent's REPORT.

SUPERINTENDENT'S REPORT.

CLEVELAND, OHIO, January 1, 1884.

To the Honorable Board of Directors of the Cleveland Workhouse and House of Refuge and Correction:

GENTLEMEN:—As is my duty under the act of incorporation, establishing the Workhouse, I have the honor herewith to submit this, my twelfth annual report, being for the year closing December 31, 1883. This being the thirteenth annual report since the opening of this prison.

The Workhouse was duly organized and put into operation early in the year 1871. The first prisoner was admitted March 3rd of that year, (he being the veritable John Smith),

The buildings are large and commodious, and on completion were thought by many to be quite too large for the necessities of the city. But experience has demonstrated that they were quite too small for the growing demands of the city, for since that time large expenditures have been made from time to time in the erection of additional cell room, for both males and females. Also shop and store-room; and in the House of Refuge doubling the sleeping room for boys, and the erection of Home of Refuge building for girls. These improvements have cost the city about forty thousand dollars. Buildings have also been erected for boiler and engine room and coal house. New engine and new boilers, costing, in addition to the foregoing, close to fifteen thousand dollars.

Of the original buildings, especially the administration and the main prison buildings, the exterior is an exhibition of skill and good taste, and well calculated to show to advantage architectural ability.

Observation has led us to the conclusion that in the erection of prisons, and other public buildings, there is more labor and skill of the architect set forth in the outward embellishments, than there is to the internal, and practical wants and necessities—the most important of which are, ventilation, heating, cell room, hall capacity, cooking and laundry accommodations, water supply and sewerage—all of these are the essentials, and are of the first and most vital importance in the construction of prison buildings. Exterior adornment is of secondary consideration. A prison building outwardly should be plain, representing strength, durability, and permanency in all particulars, while internally it should represent security, convenience, and humane considerations for the health of its occupants.

A workhouse Webster defines as “A house in which idle and vicious persons are confined to labor,” and is evidently based on the supposition, that those committed thereto are capable of performing manual labor ; the labor is inflicted as a punishment for wrong doing. But the facts are, that many of those sentenced to this workhouse are unfit, when received, to perform any kind of labor, by reason of age or infirmity, who are broken in health from dissipation or debauchery. Thus in many cases the ends of justice are defeated—from an inability to comply with the conditions of the sentence.

We question much whether it was ever intended, or expected, in the establishment of workhouses, or State prisons, that they should, or could, become money making institutions from the labor of the convicts committed, and yet every offender against the laws of the land, when committed to penal servitude, should be compelled to contribute to his or her support, the condition of health permitting.

When we consider the kind and character of the labor sent us (for we have not the selecting of our workmen as other manufacturers have), and that it comes through and from ignorance, and vice, and idleness, and dissipation, for they are all intimately associated, it will at once be seen that a great portion of such labor is unreliable as to kind, and doubtful as to character. We regard all enforced labor as doubtful in its

results. It will be inefficient because it is involuntary, and it ~~must~~ be unreliable and uncertain because of the short time sentences, and the doubt as to fines (many of them being very small), whether they are to be paid in cash or labor. From these considerations it should not be expected that this prison should become a source of revenue to the city. In fact, it is unreasonable to expect that we should do more than to contribute in part to our own support. This is and has been our object and aim in the past, and to this purpose we are devoting our best energies.

Late in the year a system of grades and classification was inaugurated in the prison, looking to a bettering of the condition of the prisoners, and a better and more harmonious system of discipline. Thus far the system of grades is more than meeting our highest expectations. Our system of classification is not so perfect, and cannot be, from the crowded condition of cell buildings and shops, and yet the change is a success, and serves as a great incentive to industrious habits and good deportment, and inspires a laudable and praiseworthy ambition to pass up from the lower to the higher grades, where additional advantages and privileges are enjoyed.

POPULATION.

The year opened with two hundred and sixty-three (263) in confinement, in this prison. Of these two hundred and fourteen (214) were males, and forty nine were females.

During the year fourteen hundred and sixty-eight (1,468) persons were received, of whom twelve hundred and four (1,204) were males, and two hundred and sixty-four (264) females. During the same period fourteen hundred and fourteen (1,414) persons were discharged; of these, eleven hundred and fifty-nine (1,159) were males, and two hundred and fifty-five (255) were females, leaving at the close of the year, remaining in the prison, three hundred and seventeen (317) persons, of whom two hundred and fifty-nine (259) were males, and fifty-eight (58) were females, being fifty-four (54) persons more than at corresponding date the previous year.

Since the opening of the prison, in March, 1871, there have been received thirteen thousand and three hundred (13,300) prisoners. Of these, ten thousand six hundred and seventy-five (10,675) were males, and two thousand six hundred and twenty-five (2,625) were females.

Of the whole number committed the records show that the larger portion were committed for intoxication and for offences growing out of the use of intoxicating drinks.

There is a very great and apparant inconsistency on the part of State or Municipality, providing by law, or ordinance, a tax or license for the sale of intoxicants, and then by the same power creating laws, or ordinances, providing expensive and costly machinery in the way of police regulations, police courts and prisons for the punishment of such offenders as have indulged too freely in that which (sold under the sanction of the law) disturbs if not destroys the brain, takes away reason and makes the victim *drunk*. The law makes this an offense, while in this condition the individual may steal, may be guilty of house-breaking, abuse of wife and children, may commit all grades of offenses, and even murder. Then after the mischief has been done, or some great crime committed, the same law-making power steps in, through the agents of the corporation, the offender is brought before a court to answer for his or her misdeeds, the case is patiently heard, and if found guilty the prisoner is sentenced to the Work-house, the sentence varying somewhat according to the magnitude of the crime committed, from one dollar and costs up to fifty dollars and costs, and in some few instances even greater sentences are inflicted. After serving the sentence thus imposed the prisoner, once more free, goes out into the city again, and finds the same pit falls and snares open before him or her, and they fall. The expensive machinery is again called into requisition for their arrest, trial, conviction and imprisonment, and thus the process goes on from day to day, week to month and month to year, until, as the records show, the same individuals have been incarcerated in the Work-house from one to thirty times for intoxication and other petty crimes as the result of strong drink; and yet while the

offences are multiplied and repeated, over and over again, there is no increased penalty imposed for such violations of law. Such a system of penalties for violate law is little better than a *broad farce*. And I submit whether there is any good reason to hope for reformation, or cure, under such a system, and that the sooner more wholesome and wise legislation is placed upon our statute books for the suppression of intemperance and its concomitant evils, the better for the offender, for society, and for the over-burdened taxpayer.

In my last report I recommended for all such prisons as this one, the Indeterminate Sentence System, and this, too, I would apply to prisoners who are committed to the State penitentiary, excepting life convicts. Such a system of sentences, with the parole, or probationary discharge, must in the very nature of the case result in good to the offender, and if in good to him then it follows in good to the community.

As to the correctness of such a system I am not changed since my last report; and yet I know there are objections to such a system, though in its provisions it may be wise and humane. What is wanted is a system best calculated to work the reformation of the wrong doer. If the present "Short Sentence System" has proved a failure in the work of reformation, as we have shown, and if the Indeterminate Sentence System is objectionable, why not try the "Cumulative Sentence System," which is less radical than the Indeterminate Sentence, and ought to commend itself to the philanthropist and law abiding citizens as possessing the elements of reformation and the ultimate reclamation of such offenders as habitual drunkards, vagabonds, vagrants and thieves. For this class of offenders and such as are sentenced to the Workhouse for all petty offenses, I would suggest such legislation as would bring about the following Cumulative Sentence system.

For the first offence, sentenced at the discretion of the court; second conviction double the first sentence, both as to time and fine. Third conviction, double the second sentence both as to time and fine; and if after a third offense and conviction, there is no reformation and the offender is

convicted for a fourth time, then the indeterminate sentence system should apply. Assuming that the offender for the first, second and third conviction, has not been cured, then it would seem wise and proper that some other system of imprisonment should be administered, and there is no system yet suggested so likely to produce lasting results, and to work wondrous cures, as a certainty of punishment after offending, and that punishment based upon the reformation of the individual, whether that reformation be demonstrated to the prison authorities, in six, nine or twelve months, or in two, three or five years. Such a course would tend to the bettering of the condition of the imprisoned, physically, mentally and morally, and while it would be for the future well being of the prisoner it would be financially better for the citizen and taxpayer. When we consider that many of the habitues of this prison have already been convicted from one to ten, fifteen, twenty-five and even thirty times and no apparent cure effected in their case, is it not time to abandon the old and expensive system of re-arrests, trials and convictions, and conveyance to the Workhouse, and substitute therefor a system less expensive, more humane and with infinitely greater promise of good results to the unfortunate prisoner, and to the city at large. We have about arrived at this conclusion, that there can be no reformation where the offender is sentenced to ten, twenty or thirty days, or by the imposition of fine and costs, that will not detain the individual beyond ten, twenty or thirty days.

INEQUALITY OF SENTENCE.

The great disparity in the sentences imposed for drunkenness and other petty offenses, in our Police Court, is not calculated to convince the prisoner that justice has been meted out with exactness and careful discrimination, nor to produce acquiescence and resignation to the decree on the part of the offender. For example, an old offender whose previous sentences to the Workhouse number above five, ten, twenty, or even up to thirty times, has pronounced upon him thirty days, or two

dollars and costs, or three, or five dollars and costs, as is often the case, while a new offender for the first time sentenced receives thirty days and ten dollars and costs, or as has been the case twenty-five dollars and costs upon the same charge. Again a suspicious character has received thirty days and fifty dollars and costs, while others with the same charge resting against them are mulct to the tune of thirty days and twenty-five dollars and costs, or even less in some cases. Vagrants have had meted out to them for their vagabondage, ten dollars and costs, thirty days and costs, thirty days and twenty-five dollars and costs, and twenty-five dollars and costs without a time sentence, while a common beggar has been sent up for thirty days and twenty-five dollars and costs, thirty days and ten dollars and costs and even as high as fifty dollars and costs for the *very grave* offense of asking for bread. While frail ones charged as common prostitutes, have been treated to twenty-five dollars and costs, and thirty days, and up to fifty dollars and costs and thirty days.

I must not be understood as casting any reflections upon the court, present or past, but a presentation of the facts, in the administration of law, and its apparent inequalities in the inflictions of sentences upon offenders resting under the same charge;—and we find this same inequality in sentences as pronounced by our higher courts in this and other States, a convicted felon in one county may receive one, two, three or more years for a specified offense and in another county or another State for the same crime be committed for a term of three, five or ten years. These facts and criticisms are *not against the courts*, but against a *system of laws* that in their administration are so *flexible* as to allow so much *latitude* and apparent *inequality* and *injustice* in the penalties imposed.

FINANCIAL.

We commenced the year with

Cash in the City treasury,	-	\$20,361 08
“ deposited by Sup’t for the year,		80,640 10
“ Net from tax levy,	- -	16, 243 16

Total fund for the year,	-	\$117,244 34
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Bills were audited and paid during the year, by warrants drawn upon the treasury by the City Auditor, to the amount of

106,478 25

Balance in treasury	- -	\$10,766 09
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To start the new year, with the December bills amounting to \$6,893 20 unpaid, which will leave only the sum of \$3,872-89 in treasury. In this connection it may be proper to state that by the system of auditing and paying claims by city ordinance, the December bills of each year are not paid until in the ordinance for January of the following year. This is a matter over which this management have no control.

It will be remembered that the only labor in this institution from which any return comes into our treasury, is the manufacture of brushes, and, as we have already shown, the product of such labor is and must be inadequate to the carrying on of an institution of such magnitude.

In addition to the foregoing, the shoes for the prison, in part are made by such skilled workmen in that branch as may be at our command. And also the clothing for the institution in part, but from such labor, while it is an actual saving to the prison it does not bring any financial return.

Our financial status may be summed up as follows: Boarding of State case prisoners has for several years been refused by the County Commissioners. The time was when this was considered a legitimate part of our revenue. The fines and costs at one time in City cases, collected at this

office went to the credit of the Workhouse fund, now by city ordinance they are paid into the city treasury to the credit of the Police Court fund.

Fines and costs in State cases collected at this office, have for some years been placed to the credit of the Workhouse fund as paid over into the city treasury. Upon examination of the law by the County Prosecutor and the County Commissioners, it was thought that the county was entitled to this fund and they have insisted upon the refunding, by this institution of the amount thus collected, amounting in the five years past, up to December 31, 1883, to the sum of \$18,476.33, and which the Supreme Court says is a legal claim against the Workhouse and must be paid.

AID FROM TAXATION.

The following summary will show to what extent and in what amounts this institution has been assisted by a tax levy during the past six years.

1878, Tax levy asked for,	\$15,000 00,	Realized	\$13,000 70.
1879, Tax levy asked for,	22,000 00,	Realized	14,207 27.
1880, None asked for,	—————	None,	—————
1881, Tax levy asked for	\$25,000 00	Realized,	—————
1882, Tax levy asked for	20,000 00	Realized,	16,243 16
1883, Tax levy asked for	25,000 00	Realized,	—————
	—————		—————
	\$107,000 00		\$43,451 13

From the foregoing it is shown that requisitions or demands have been made upon the city authorities in the six years past for the sum of one hundred and seven thousand dollars, by a direct tax levy to aid this department of the city government, and that all that has been done in answer to such requisitions amounts to the sum of forty-three thousand, four hundred and fifty one dollars and thirteen cents.

It is further shown that in the past four years, this institu-

tion has cost the city, by a direct tax the sum of sixteen thousand, two hundred and forty-three dollars and sixteen cents, and that from this and the other revenues of the institution, we have had to keep up repairs to the buildings and machinery, to make necessary and permanent improvements, keep up the supply of raw material for manufacturing purposes, and to meet all current expenses, salaries, &c. We find this fund entirely inadequate to meet all these outlays, that should be made annually, *now* that the buildings are growing old and are requiring annually large outlays to keep them in proper repair.

PERMANENT PROVISIONS.

The City Council, whom we believe are all interested, as well as all good citizens, in the success and welfare of the Workhouse, as well as all other city departments, should annually provide by a *direct tax*, a sum sufficient at least to pay all salaries and to make permanent improvements and repairs, and thus aid the Workhouse in its support, and carrying forward its industries and its highest success.

We should not be placed in the *uncomfortable* and *humiliating position* of supporting a great institution and conducting a large manufactory, with a depleted treasury and an inability to meet obligations, or to take advantage of the markets in the purchase of supplies, or stocks, as other *manufacturers* and *merchants* are accustomed to do. Nor should the authorities appointed over the institution and charged with its oversight and care *suffer the mortification* when asking for aid, to meet with a *refusal*. But the city should at once place the institution upon a solid financial basis, by providing for its annual and recurring wants, as before indicated.

As we consider the subject of financial support, why would it not be a proper and legitimate distribution of the Scott law tax, to set aside a part of the same for Workhouse purposes. This would seem the more appropriate from the fact that there is no place to which such license or tax fund more legitimately belongs than to the City Infirmary and the City Workhouse. These institutions are charitable and correctional. The

former, for the poor, infirm and sick; the latter for the profligate, vicious and the criminal, and for the drunkard and all crimes that are the *legitimate outgrowth of intemperance* we should insist upon a portion of this license fund or tax being our legitimate inheritance.

HOUSE OF REFUGE. ¶

In our last report we said of this department, that it was gradually *decreasing* in numbers. Now we have to report a change, for the year. There has been a steady *increase* in numbers. It must not be inferred from this showing that the youth of the city were under better home care, the previous year than during the one just closed. Nor must we conclude that a worse condition of depravity existed the last year, among the children of the city, than in the year previous. The facts as they exist, are not so much in the *wayward* or *vicious children* themselves, and their wrong tendencies, as in the estimate placed upon the House of Refuge as a reformatory and corrective agency, as existing in the mind of the Court.

The year commenced, as the tables will show, with a family as follows:

	BOYS.	GIRLS.	TOTAL.
	79	16	95
Received during the year.....	116	12	128
Whole number.....	195	28	223
Discharged.....	49	7	56
Remaining Dec. 31st, 1883.....	146	21	167

The increase, and again the decrease for the various years since the opening of the Refuge, will be shown by the following table giving number remaining at the close of each year:

1871	Remaining at close of year.....	25
1872	“ “ “	59
1873	“ “ “	83
1874	“ “ “	120
1875	“ “ “	161
1876	“ “ “	158
1877	“ “ “	89
1878	“ “ “	76
1879	“ “ “	106
1880	“ “ “	121
1881	“ “ “	101
1882	“ “ “	95
1883	“ “ “	167

The schools have continued throughout the year, without intermission, under the supervision of Mr. Alex. McBane, and the same lady teachers as at last report, Mrs. Emma Worthington and Mrs. Dora Doty, whom we regard as faithful and competent, and devoted to their work.

I cannot too strongly condemn the sending of young children to the Refuge, for incorrigibility, whose ages vary from seven to ten years.

By order of the Board of Directors, made in December, 1880, the schools were re-organized, graded and classified, as follows: Freshmen, junior and senior. This was a move in the right direction, and has been productive of great good in the educational work, inspiring a worthy ambition among the children, and conducive to good discipline and harmony in the workings of the department.

All children on admission, are assigned to the freshman grade. The year is divided into three school terms, of four months each. At the close of each term, an examination is had of all the grades, to determine the standing of each pupil, both as to proficiency in their studies, and deportment, and upon merit alone are they promoted from the lower grades to the next higher. Upon reaching the senior grade, and a satisfactory examination, and deportment being commendable, they are recommended to the Board of Directors for a final discharge. Should any pupil fail to pass the requisite exam-

ination, they are held for another term, of four months, and the same through all the grades.

The branches taught are such as are calculated to afford a practical education, and to qualify for the activities of life, viz.: Spelling, reading, writing, arithmetic, geography, vocal music, history, physical geography, book-keeping and physiology. Though we may not be able to horoscope the future lying out before these children, as to what the result shall be, we rest under the conviction that the agencies here employed for their education and reformation, must make an impression for truth and morality, that will be permanent and lasting. Any system of so-called reformation that ignores the education of the *heart and head* is wrong in principle, and is as building upon the sand.

It has been, and is to-day a source of complaint, on the part of many of our best citizens, of the very close association between the Workhouse and House of Refuge, as now situated, and the great danger there is of the contamination of these children, by Workhouse influences, for it holds good here, as elsewhere, that "evil communication corrupts good manners."

As far back as 1875, the evils of this close proximity and apparent association, and the urgent necessity for a change from the present location to a farm, were presented by this Board of Managers to the City Council, and was also urged in the Annual Report of the Superintendent, to the Board, in which he says: "I am glad to know that this subject has already claimed your attention, and that the subject has been presented to the City Council, and that action has already been taken by that body, looking to the early purchase of a farm, etc."

In reports of 1876, the Board say, in presenting this subject to the City Council again:

"We feel it to be our duty, therefore, to urge upon your consideration the necessity of perfecting, as soon as possible, the project already adopted by your honorable body, of purchasing the requisite quantity of land, in or near the city, and erecting thereon suitable buildings, to which the youth of the Refuge department can be transferred, and thus not

only make ample room for the adult convicts at the Workhouse, but entirely remove the youth from its impure atmosphere and unfavorable influences."

The Superintendent says in same report to the Board: "We hopefully look forward to the day, not far distant, when a farm shall be provided, and the necessary buildings erected, having all the requisites for such a home, in the way of light, fresh air and heat, and an abundant and never-failing supply of good water; all of which are of vital importance in insuring and promoting the health of those who may be its occupants."

The same subject was discussed in the reports of the Board and the Superintendent, in 1877. And again in 1881, the Board of management say: "While we agree fully with the foregoing, yet, in the judgment of the Board, legislation should be obtained, at no distant day, looking to the separation of the House of Correction from the Workhouse."

In same report to the Board, the Superintendent says: "An early separation of these combined institutions, could not but work to their mutual advantage."

Thus it will be seen that the management, for years, has raised its voice against this existing evil. It has been presented from moral considerations, from an over-crowded condition, as a necessity for more room, play ground and outdoor exercise, and considerations of humanity and religion, and yet the long sought-for relief has not come.

After the matter had been presented to the City Council in 1876, and its necessity urged, that body took prompt action, by the appointing of a committee of its members, to work in conjunction with the Workhouse Board, in selecting a farm for House of Refuge purposes. When the work of such joint committee was about completed and ready for presentation to the City Council, the spring election occurred, the Council was changed, by new members coming in and older ones going out, and like all new city councils, came in to practice the most rigid economy, and the whole Refuge project failed, and the farm was not purchased, nor the Refuge removed.

The necessity exists to-day as strong as ever, appealing for more ample grounds and buildings. If it were possible, in a

few lines, to say all that has been said in the past on this important matter, and to so emphasize these utterances as that they might materialize, and produce early fruit, in the purchase of a farm, and the erection of buildings, upon the cottage, or family plan, we should feel then, that a great and important work had been accomplished. Looking to the reformation of the wayward and vicious youth of the city, "Who are her wards," such a consummation should, and doubtless would, merit the hearty approval of the philanthropist and Christian, the citizen and the tax-payer.

If this project is to be considered only as a financial adventure, as a matter of dollars and cents, then there is not much hope of an early investment, for an enterprise of such magnitude, will cost for the plant, farm buildings and equipments, not less than *one hundred thousand dollars*, and the annual current expense thereafter, much beyond the cost of maintaining the Refuge as now situated.

But there are other and higher considerations involved, than merely the outlay of money. The moral welfare, for all time, of these children, for whom the city is responsible, is the important question to decide. If they are to be saved from degradation and ruin, here and hereafter, they must be disciplined, educated and reformed.

HEALTH.

Both departments of this institution have been unusually favored throughout the year, with good health, though in such a gathering as is found here, coming from vagrancy, filthiness, self abuse, and all manner of vice, it is not strange that the calls upon the physician are many and frequent.

In the Workhouse, two deaths have occurred, both from consumption, and sick when received. In the House of Refuge there has been no death. and but one boy was ordered to the hospital during the year. These statements are the more apparent, from the fact that the population of the House has been greater than for several years past.

This condition is attributable to the care and skill of the

physician, Dr. P. H. Sawyer, and his hearty co-operation with those in charge, in securing the best possible sanitary regulations and results, together with the change made late in the year 1882, in removing the boys from their old dining hall, in the prison, to a new and commodious dining-room, with abundance of light and air, and a more varied and judicious dietary of vegetables. In fact, the health of the departments has never been better since the opening of the House, nor has the food for the whole institution ever been so good and abundant as in the past year.

RELIGIOUS.

The chapel has been regularly occupied on the Sabbath day, by ministers of various denominations, serving a month each at a time, upon our invitation. These services are conducted at 3 P. M. A Catholic clergyman has also conducted services regularly once in two weeks, at 9 A. M. All the prisoners are expected and required to be present at all these services, unless excused because of any conscientious convictions they may have in regard to the same.

Many Christian ladies from the city have visited the female prisoners at stated times, to hold religious conversation with them, and to point out to them "the better way."

The Refuge schools have been gladdened many times, and made joyous by visits of Christian friends, by donations of papers and periodicals suited to their years, and also baskets of apples, grapes, oranges, etc., in their season.

On Thanksgiving day and Christmas, the whole house was furnished a substantial turkey dinner, supplemented with apples, cakes, cranberries, etc., to which all did ample justice, *if not to themselves.*

Christmas day, the children had in addition furnished them many articles of comfort and convenience, as presents, such as handkerchiefs, gloves, sleds and combs, and the girls dress material, hosiery, &c., &c. All for the occasion at least appeared happy. On this occasion the Superintendent was joined by the Catholic Central Association in furnishing many of the articles provided for the children.

In all the blessings of the past year that we as a great family have enjoyed, we recognize the hand of the Giver of all Good.

And for valuable and opportune counsel and aid, and uniform kindness that has been shown us by the Board of Directors, as a Board and as individuals, we make grateful acknowledgments.

Most Respectfully Submitted,

W. D. PATTERSON,

Superintendent.

STATISTICAL TABLES.

SUPERINTENDENT'S STATEMENT.

EXHIBIT "A."
Statement of Receipts and Disbursements.

1888	RECEIPTS.		
Jan. 1	Cash in hands of Superintendent	748 08	
	" " City Treasurer	20,861 08	
			\$21,109 11
Dec. 31	Cash Receipts for the year		97,648 61
			118,757 72
	DISBURSEMENTS.		
Dec. 31	Cash paid by Warrants on City Treasurer ...		106,478 25
	Balance on hand		12,279 47
	Viz:—With City Treasurer	10,766 09	
	" Superintendent	1,513 88	
			12,279 47
	DETAILED STATEMENT OF RECEIPTS.		
Dec. 31	Received on Brush Account		\$73,886 11
	" from Tax Levy		16,243 16
	" for Fines in State Cases		5,383 45
	" " Sale of Hogs		621 00
	" " Transferring Prisoners		498 33
	" " Boarding—U. S. Prisoners.		344 58
	" " Sale Tampico		200 00
	" " Boarding—Sundry Co. Pris'rs.		115 86
	" " Sale Flour Barrels.		106 55
	" " " Tallow		54 42
	" " " Soap Grease		39 25
	" " Shoe Shop Account		82 95
	" " Sale Paper Waste		29 97
	" " " Wire		24 15
	" " " Varnish Barrels		22 50
	" " " Manure		21 52
	" " " Rags		19 84
	" " " Tampico Waste		18 00
	" " " Bristle Casks		15 75
	" " " Oil Barrels		12 85
	" " " Molasses Barrels		9 25
	" " " Wooden Wire Spools		9 00
	" " Boarding—Sundry Village Pris.		8 40
	" " Sale Chair Work		6 88
	" " " Saw		6 00
	" " " Brush Handles		4 50
	" " " Beef Barrels		4 00
	" " " Copal		4 80
	" " " Soap Boxes		3 50
	" " " Flour Sacks		1 96
	" " " Iron Casting		1 60
	" " " Sundries		4 58
	Total Receipts		\$97,648 61

EXHIBIT

Statement Showing Property on Hand and

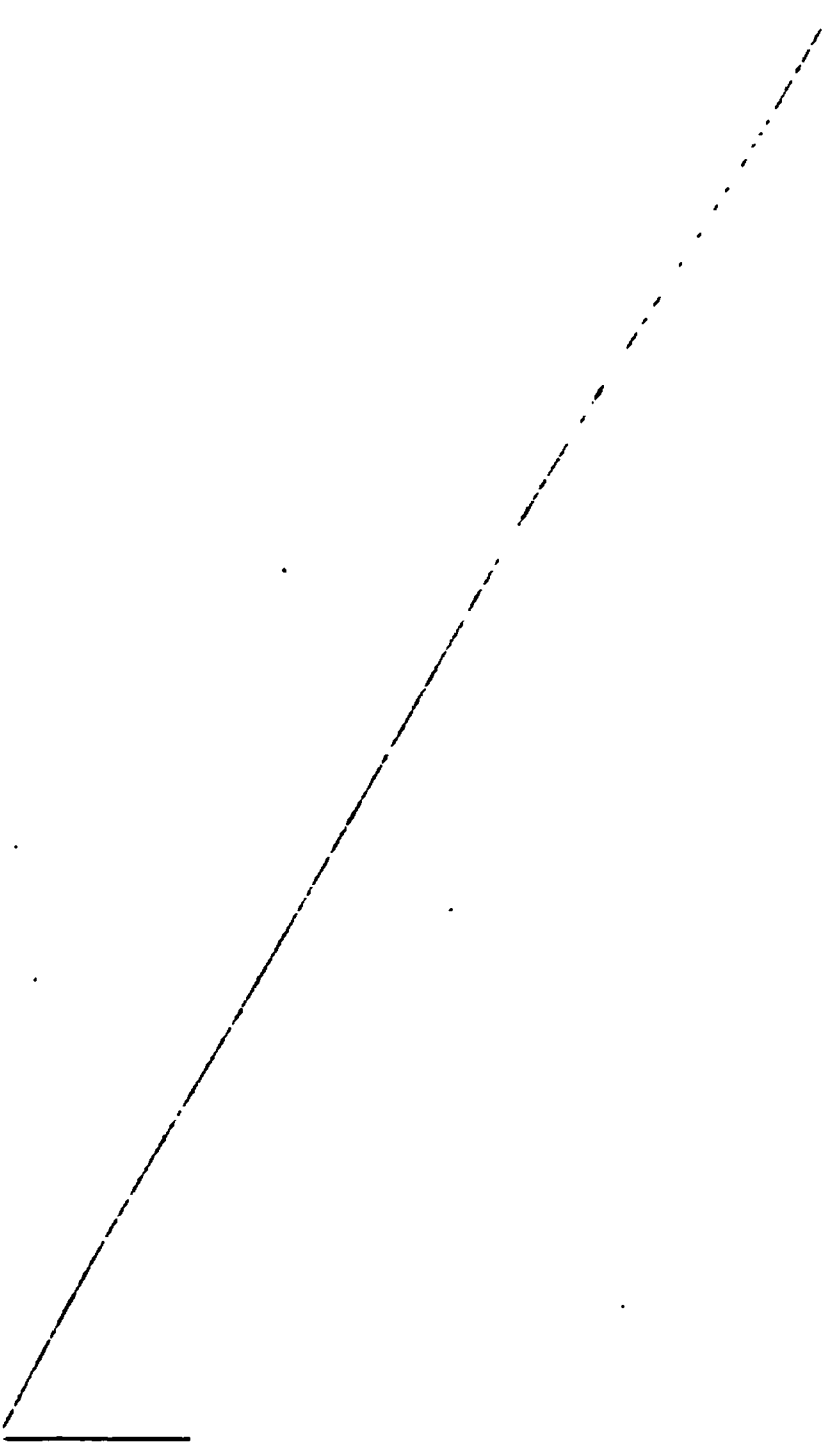
DR.

1883	EFFECTS.		
Dec. 31	Amount due by sundry persons on Book Acct's to Workhouse		\$10,257 11
	Amount due by sundry persons on Book Acct's to House of Refuge		18,444 40
	Furniture and Fixt's on hand in Workhouse		4,283 40
	" " " " House of Refuge		920 48
	Stationery, Blanks, etc., " Workhouse		222 62
	School Books, etc., " House of Refuge		208 48
	Clothing and Bedding " Workhouse		8,596 08
	" " " " House of Refuge		2,194 87
	Shoes " Workhouse		295 25
	" " " " House of Refuge		223 90
	Brush Shop—Manufactured Stock on hand		4,781 93
	" " Raw Stock "		17,759 78
	General Implements "		22,541 71
	Provisions "		1,785 51
	Medicines "		1,795 20
	Fuel, etc., "		21 57
	Shoe Shop Tools and Material "		78 85
	Brush Shop Tools "		80 14
	Engine Oil, Waste, etc., "		4,780 64
	Lumber "		49 96
	Live Stock "		91 68
	Cash in hands of Superintendent		869 00
	" " City Treasurer		-1,513 38
			10,866 09
			<u>\$85,024 67</u>

“B.”

Debts Due Workhouse and House of Refuge.

CR.

1883	LIABILITIES.	
Dec. 31	Amount due City of Cleveland—invested as follows:	
	Property in hands of Superintendent	\$44,043 69
	Cash " " "	1,513 88
	Book Accounts.....	28,701 51
	Cash in City Treasury	10,766 09
		
		\$85,024 67

EXHIBIT

Statement Showing Expense and Profits of

DR.

1888	EXPENSES.		
Dec. 31	Cost of—		
	Furniture and Fixtures.	Workhouse	\$449 87
	“ “ “	House of Refuge	69 50
			\$519 37
	Clothing and Bedding.	Workhouse	2,102 19
	“ “ “	House of Refuge	1,116 66
			3,218 85
	Sundry Supplies.	Workhouse	4,068 55
	“ “	House of Refuge	165 65
			4,234 20
	Shoes	Workhouse	807 59
	“	House of Refuge	144 90
			452 49
	Medical Attend'ce & Drugs..	Workhouse	460 28
	“ “ “	House of Refuge	111 00
			571 28
	Salaries of Employes	Workhouse	14,246 62
	“ “	House of Refuge	2,144 51
			16,391 13
	General Improvements	Workhouse	1,394 52
	“ “	House of Refuge	268 90
			1,663 42
	General Implements	Workhouse	289 31
	Provisions	“	17,920 68
	Fuel and Light	“	4,354 51
	Brush Implements	“	758 30
	Engine Supplies.	“	196 68
	Boiler “	“	228 19
	Hay and Feed	“	696 50
	Discounting	“	1,856 72
	Boarding House of Refuge Inmates & Employes		4,782 41
	Loss by Bad and Doubtful Book Accounts		238 37
			\$58,822 41

EXHIBIT

Statement Showing Monthly Bills Approved and sent to

1883							
Jan....	Bills to Date Sent to City Auditor.....					\$10,867 54	
Feb....	"	"	"	"	"	6,478 38	
March..	"	"	"	"	"	11,381 38	
April..	"	"	"	"	"	11,617 94	
May ...	"	"	"	"	"	8,339 39	
June...	"	"	"	"	"	9,624 16	
July...	"	"	"	"	"	7,999 87	
Aug. ...	"	"	"	"	"	6,207 95	
Sept ...	"	"	"	"	"	8,054 85	
Oct.	"	"	"	"	"	6,582 27	
Nov. ...	"	"	"	"	"	11,012 42	
Dec....	"	"	"	"	"	6,853 75	
							105,019 40
Add for Bills not yet Audited.....							45
" " December Bills 1882 paid in 1883.....							8,312 60
							\$113,332 45

EXHIBIT
Superintendent's

" E."

Cash Account.

1883						
Jan.	Cash Deposited in City Treasury.....	\$ 6,604 86				
Feb.	" " " "	6,061 76				
March	" " " "	10,028 78				
April	" " " "	10,182 08				
May	" " " "	6,618 18				
June	" " " "	7,179 86				
July	" " " "	5,574 28				
Aug	" " " "	7,766 55				
Sept.	" " " "	4,440 29				
Oct.	" " " "	5,509 97				
Nov.	" " " "	6,199 88				
Dec.	" " " "	4,890 81				
	Cash (taxes) deposited in City Treasury.	16,248 16			\$96,883 26	
	Balance in Supt's hands (Exhibit "A.")				1,518 88	
					<u>\$98,402 14</u>	

"F."

Correction Funds in City Treasury.

1883.			
Dec. 31	Warrants paid by City Treasurer, (Exhibit "A.").....	\$106,478 25	
	Balance in hands of City Treasurer.....	10,766 09	
		<u>\$106,244 84</u>	

ABSTRACT OF WORKHOUSE ACCOUNTS.

		Dr.	Cr.
1888	BRUSH ACCOUNT.		
Jan. 1	To Balance on hand	\$ 21,107 03	
Dec. 31	" Purchases during the year	54,664 71	
	" Profit on this account	19,528 93	
Dec. 31	By Sales during the year		72,758 96
	" Balance on hand		22,541 71
		<u>\$ 95,300 67</u>	<u>\$ 95,300 67</u>
	SHOE SHOP ACCOUNT.		
Jan. 1	To Balance on hand	65 78	
Dec. 31	" Purchases during the year	164 28	
	" Profit on this account	135 83	
Dec. 31	By Shoe repairs		49 20
	" Shoes for Workhouse		159 20
	" " " House of Refuge		76 85
	Balance on hand		80 14
		<u>\$ 365 89</u>	<u>\$ 365 89</u>
	LIVE STOCK ACCOUNT.		
Jan. 1	To Balance on hand	1,258 00	
Dec. 31	" Purchases during the year		
	" Profit on this account	372 00	
Dec. 31	By Sales of stock during the year		761 00
	Balance on hand		869 00
		<u>\$ 1,630 00</u>	<u>\$ 1,630 00</u>
	FURNITURE AND FIXTURES ACCOUNT.		
Jan. 1	To Balance on hand	4,289 39	
Dec. 31	" Purchases during the year	449 87	
Dec. 31	By Overcharges		6 80
	Balance on hand		4,283 40
	Expense of this account		449 06
		<u>4,739 26</u>	<u>4,739 26</u>

1888.	CLOTHING AND BEDDING ACCOUNT.			
Jan. 1	To Balance on hand	\$ 2,781 86		
Dec. 31	To Purchases during the year.....	2,102 19		
Dec. 31	By Sales old rags, etc		32 51	
	Balance on hand.....		3,596 08	
	Expense of this account.....		1,255 01	
		4,883 55	4,883 55	
	SUNDRY SUPPLIES ACCOUNT.			
Jan. 1	To Balance on hand	294 35		
Dec. 31	To Purchases during the year.. ..	4,068 55		
Dec. 31	By Sales soap boxes, etc.....		16 96	
	Balance on hand.....		222 62	
	Expense of this account		4,123 82	
		4,362 90	4,362 90	
	SHOE ACCOUNT.			
Jan. 1	To Balance on hand.....	244 98		
Dec. 31	To Purchases during the year.....	807 59		
Dec. 31	By Balance on hand.....		295 25	
	Expense of this account.....		257 82	
		552 57	552 57	
	PROVISION ACCOUNT,			
Jan. 1	To Balance on hand.....	960 95		
Dec. 31	To Purchases during the year.....	17,920 68		
Dec. 31	By Sales barrels, tallow, etc....		816 80	
	Balance on hand.....		1,795 20	
	Expense of this account....		16,769 68	
		18 881 63	18,881 68	
	FUEL AND LIGHT ACCOUNT.			
Jan. 1	To Balance on hand.....	45 37		
Dec. 31	To Purchases during the year.....	4,354 51		
Dec. 31	By Sales o'l barrels, etc.....		1 50	
	Balance on hand.....		78 25	
	Expense of this account.....		4,325 18	
		4,399 88	4,399 88	

1883.	IMPLEMENT ACCOUNT.			
Jan. 1	To Balance on hand.....	\$ 1,790 50		
Dec. 31	To Purchases during the year	289 81		
Dec. 31	Balance on hand.....		\$ 1,785 51	
	Expense of this account		803 89	
		2,088 90	2,088 90	
	BRUSH IMPLEMENT ACCOUNT.			
Jan. 1	To Balance on hand.....	4,669 05		
Dec. 31	To Purchases during the year.....	758 80		
Dec. 31	By Overcharges		9 95	
	By Sales saw, etc.....		7 00	
	Balance on hand.....		4,790 64	
	Expense of this account.....		619 76	
		5,427 85	5,427 85	
	ENGINE ACCOUNT.			
Jan. 1	To Balance on hand.....	29 80		
Dec. 31	To Purchases during the year.....	196 68		
Dec. 21	Balance on hand.....		49 96	
	Expense of this account.....		176 52	
		226 48	226 48	
	MEDICAL ATTENDANCE AND SUPPLIES.			
Jan. 1	To Balance on hand.....	23 95		
Dec. 31	To Professional services and drugs	460 28		
Dec. 31	By Discount on purchase.....		4 00	
	Balance on hand.....		21 57	
	Expense of this account		458 66	
		484 23	484 23	
	IMPROVEMENT ACCOUNT.			
Jan. 1	To Balance on hand....	176 70		
Dec. 31	To Costs for improvements.....	1,394 52		
Dec. 31	By Sundry sales.....		8 78	
	Balance on hand.....		91 68	
	Expense of this account.....		1,475 76	
		1,571 22	1,571 22	

1888.	BOILER ACCOUNT.		
Dec. 31	To Purchases during the year.....	\$ 228 19	
Dec. 31	Expense of this account.....		228 19
		228 19	228 19
	SALARIES ACCOUNT.		
Dec 31	To Salaries for the year.....	14,246 62	
Dec. 31	By Salaries of brush foreman and assistants....		1,640 50
	By Transferring prisoners.....		494 23
	Expense of this account....		12,111 89
		14,246 62	14,246 62

ABSTRACT OF HOUSE OF REFUGE ACCOUNTS.

		Dr.	Cr.
1883	FURNITURE AND FIXTURES ACCOUNT.		
Jan. 1	To Balance on hand.....	\$ 1,013 11	
Dec. 31	" Purchases during the year.....	69 50	
Dec. 31	Balance on hand		\$ 920 48
	Expense of this account.....		162 13
		\$ 1,082 61	\$ 1,082 61
	CLOTHING AND BEDDING ACCOUNT.		
Jan. 1	To Balance on hand.....	2,089 87	
Dec. 31	" Purchases during the year.....	1,116 66	
Dec. 31	Balance on hand		2,194 87
	Expense of this account.....		1,011 66
		\$ 3,206 53	\$ 3,206 53
	SHOE ACCOUNT.		
Jan. 1	To Balance on hand.....	238 10	
Dec. 31	" Purchases during the year	144 90	
Dec. 31	Balance on hand.....		223 90
	Expense of this account.....		159 10
		\$ 383 00	\$ 383 00
	IMPROVEMENT ACCOUNTS.		
Dec. 31	To Cost for improvements.....	268 90	
Dec. 31	Expense of this account....		268 90
		\$ 268 90	\$ 268 90
	SUNDRY SUPPLIES ACCOUNT.		
Jan. 1	To Balance on hand.....	189 50	
Dec. 31	" Purchases during the year.....	165 65	
Dec. 31	Balance on hand.....		208 48
	Expense of this account.....		146 67
		\$ 355 15	\$ 355 15

		Dr.	Cr.
1888	BOARDING ACCOUNT.		
Dec. 31	To Board of Refuge Employees	\$ 788 65	
	“ “ “ Inmates	9,576 06	
Dec. 31	By Cuyahoga County Commissioners		\$ 5,577 80
	Expense of this account		4,782 41
		\$ 10,309 71	\$ 10,809 71
	MEDICAL ATTENDANCE AND SUPPLIES.		
Dec 31	To Professional services and drugs	111 00	
Dec. 31	Expense of this account		111 00
		\$ 111 00	\$ 111 00
	SALARIES ACCOUNT.		
Dec. 31	To Salaries for year	2,144 51	
Dec. 31	Expense of this account		2,144 51
		\$ 2,144 51	\$ 2,144 51

MAINTENANCE ACCOUNT.

The actual cost of maintaining each inmate of the Institution, including Clothing and Bedding, Shoes, Medical Services and Drugs, Salaries of Officers, Provisions, General Supplies, Fuel and Light, is given as follows:

Cost per Day	\$. 38
" " Week	2 50
" " Month	10 00
" " Year	120 08
Average number maintained during the year—365.38 ...	\$43,876 90

INVENTORY OF PROPERTY ON HAND, 1883.

Furniture and Fixtures, Workhouse	\$ 4,283 40	
" " " House of Refuge	920 48	
Clothing and Bedding, Workhouse	3,596 08	
" " " House of Refuge	2,194 87	
Sundry Supplies, Workhouse	222 62	
" " House of Refuge	208 48	
Shoes, Workhouse	295 25	
" House of Refuge	228 90	
General Implements, Workhouse	1,785 51	
Brush Stock	22,541 71	
Brush Shop Tools	4,790 64	
Provisions	1,795 20	
Medicines	21 57	
Fuel	73 25	
Engine Oil, waste, etc	49 96	
Lumber	91 68	
Live Stock	869 00	
Shoe Shop Tools	80 14	
		\$ 44,048 69

COMPARATIVE STATEMENT.

SHOWING DRAFTS ON CITY TREASURY AND DEPOSITS IN SAME SINCE THE
OPENING OF THE INSTITUTION.

1871.		
Warrants drawn on City Treasury	\$35,092 74	
Deposits by Superintendent in City Treasury	1,230 98	
Excess of Warrants		\$34,661 76
1872.		
Warrants drawn on City Treasury	\$42,940 50	
Deposits by Superintendent in City Treasury	6,903 83	
Excess of Warrants		\$36,036 67
1873.		
Warrants drawn on City Treasury	\$61,413 77	
Deposits by Superintendent in City Treasury	37,690 64	
Excess of Warrants		\$23,723 13
1874.		
Warrants drawn on City Treasury	\$65,382 41	
Deposits by Superintendent in City Treasury	51,000 81	
Excess of Warrants		\$14,381 60
1875.		
Warrants drawn on City Treasury	\$84,662 04	
Deposits by Superintendent in City Treasury	56,842 94	
Excess of Warrants		\$28,819 30
1876.		
Warrants drawn on City Treasury	\$78,343 62	
Deposits by Superintendent in City Treasury	40,192 77	
Excess of Warrants		\$38,150 85
1877.		
Warrants drawn on City Treasury	\$80,013 97	
Deposits by Superintendent in City Treasury	82,697 49	
Excess of Deposits.		\$2,683 52

COMPARATIVE STATEMENT—Continued.

SHOWING DRAFTS ON CITY TREASURY AND DEPOSITS IN SAME SINCE THE
OPENING OF THE INSTITUTION.

1878.		
Warrants drawn on City Treasury	\$132,812 88	
Deposits by Superintendent in City Treasury.....	92,509 47	
Excess of Warrants.. ..		\$40,303 41
1879.		
Warrants drawn on City Treasury.....	\$ 97,880 78	
Deposits by Superintendent in City Treasury... ..	101,261 91	
Excess of Deposits.....		\$3,981 18
1880.		
Warrants drawn on City Treasury.....	\$113,184 81	
Deposits by Superintendent in City Treasury	83,321 68	
Excess of Warrants... ..		\$29,812 63
1881.		
Warrants drawn on City Treasury	\$79,053 10	
Deposits by Superintendent in City Treasury.....	76,402 80	
Excess of Warrants.....		\$2,650 30
1882.		
Warrants drawn on City Treasury.....	\$ 93,354 94	
Deposits by Superintendent in City Treasury.....	109,065 51	
Excess of Deposits.....		\$15,810 57
1883.		
Warrants drawn on City Treasury.....	\$106,478 25	
Deposited by Superintendent in City Treasury	96,883 26	
Excess of Warrants.....		\$9,594 99

WORKHOUSE STATISTICS.

TABLE No. 1.

	Male.	Female.	Total.
Remaining January 1, 1883	214	49	263
Whole number committed during 1883.	1,204	264	1,468
Total	1,418	313	1,731
Discharged during 1883	1,159	255	1,414
Total remaining December 31, 1883	259	58	317

TABLE No. 2.

Number Received each Month.

MONTHS.	Male.	Female.	Total.
Remaining January 1, 1883	224	49	263
Received during January	96	12	108
“ “ February	67	9	76
“ “ March	82	13	95
“ “ April	70	17	87
“ “ May	85	28	113
“ “ June	97	20	117
“ “ July	91	22	113
“ “ August	105	29	134
“ “ September	114	34	148
“ “ October	122	27	149
“ “ November	134	25	159
“ “ December	141	28	169
Total	1,418	313	1,731
Discharged during 1883	1,159	255	1,414
Total remaining December 31, 1883	259	58	317

TABLE NO. 3.

Monthly Average of Confinement During the Year.

Months.	Male.	Female.	Total.
Average during January.....	218.08	52.68	270.71
“ “ February.....	223.14	45.61	268.75
“ “ March.....	217.82	40.13	257.45
“ “ April... ..	189.07	44.40	233.47
“ “ May.....	175.61	50.55	226.16
“ “ June.....	177.02	52.83	229.85
“ “ July.....	156.68	53.87	210.55
“ “ August.....	162.00	48.80	210.80
“ “ September.....	161.33	49.90	211.23
“ “ October.....	159.90	50.71	210.61
“ “ November... ..	221.97	52.80	274.77
“ “ December.....	253.00	54.03	307.03
Monthly attendance for the year.....	192.92	49.69	242.61

TABLE No. 4.

Discharged each Month during the Year 1883.

MONTHS.		Male.	Female.	Total.
Discharged during January		85	7	92
"	February.....	61	20	81
"	March	112	16	128
"	April.....	90	10	100
"	May.....	94	16	110
"	June	107	28	135
"	July.....	96	27	123
"	August.....	98	29	127
"	September.....	110	32	142
"	October	85	23	108
"	November... ..	86	25	111
"	December... ..	135	22	157
Total for the year		1,159	255	1,414

TABLE No. 5.

How discharged during the year 1883.

	Male.	Female.	Total.
Labor.....	668	127	795
“ and cash.....	294	83	377
“ and pardon....	20	3	23
“ pardon and cash	1	2	3
Escape	5	2	7
Habeas corpus.....	1	0	1
Expiration	8	0	8
Expiration and costs paid.....	0	1	1
Expiration. fine and costs paid.....	110	26	136
Expiration, cash and pardon.....	1	0	1
Fine and costs paid	24	5	29
Pardoned	14	3	17
Pardoned, and fine and costs paid.....	7	0	7
Death	2	0	2
Returned for new trial.....	3	3	6
Order of Mayor of Elyria.....	1	0	1
Total	1159	235	1414

TABLE NO. 6.

Statement of Account of Fines Collected by Superintendent in City and State Cases for the Year 1883.

Months.	City Cases.	State Cases.	Total.
January.....	\$214 08	\$523 80	\$737 88
February.....	129 40	365 78	495 18
March.....	418 18	591 92	1,010 10
April.....	237 65	442 75	680 40
May.....	187 09	260 55	447 64
June.....	215 09	600 84	815 93
July	190 90	735 70	926 60
August.....	278 85	453 36	732 21
September	264 13	454 85	718 98
October	275 28	195 55	470 83
November	161 95	372 70	534 65
December ...	327 75	331 65	659 40
Total.....	\$2,900 35	\$5,329 45	\$8,229 80

TABLE No. 7.

Individual Commitments since opening of Institution.

	Male.	Female.	Total.
First Commitment	717	89	806
Second "	212	41	258
Third "	107	82	189
Fourth "	41	26	67
Fifth "	22	11	33
Sixth "	20	11	31
Seventh "	18	5	18
Eighth "	15	10	25
Ninth "	10	5	15
Tenth "	8	5	13
Eleventh "	7	4	11
Twelfth "	4	2	6
Thirteenth "	2	0	2
Fourteenth "	4	2	6
Fifteenth "	3	1	4
Sixteenth "	3	0	3
Seventeenth "	2	5	7
Eighteenth "	5	2	7
Nineteenth "	2	1	3
Twenty-first "	0	1	1
Twenty-second "	0	3	3
Twenty-third "	0	3	3
Twenty-fourth "	3	2	5
Twenty-fifth "	1	0	1
Twenty-sixth "	1	0	1
Twenty-eighth "	1	0	1
Twenty-ninth "	1	0	1
Thirtieth "	0	1	1
Thirty-first "	0	1	1
Thirty-fifth "	0	1	1
Total	1,204	264	1,468

TABLE No. 8.

Color.

	Male.	Female.	Total.
White.....	1,142	248	1,390
Colored.....	62	16	78
Total.....	1,204	264	6,468

TABLE No. 9.

Committed from the following Courts.

	Male.	Female.	Total.
U. S. District Court.....	4	0	4
Common Pleas Court.	15	0	15
Justice Court.....	8	1	9
Probate Court.	6	0	6
Police Court....	1,140	262	1,402
Mayor of Salem....	3	0	3
“ “ Warren.....	13	1	14
“ “ Oberlin.....	1	0	1
“ “ East Liverpool.....	2	0	2
“ “ Elyria.....	2	0	2
“ “ Lorain.....	3	0	3
“ “ Columbiana.....	1	0	1
“ “ Wellsville.....	2	0	2
Trumbull county.....	4	9	4
Total.....	1,204	264	1,468

TABLE NO. 10.

Place of Nativity.

Country.	Males.	Female.	Total.
United States.....	649	108	757
Ireland.....	202	93	295
Germany.....	188	10	148
England.....	82	15	97
Canada.....	54	26	80
Scotland.....	25	8	33
Bohemia.....	12	0	12
France.....	6	0	6
Italy.....	5	0	5
Poland.....	1	0	1
Wales.....	4	0	4
Prussia.....	8	0	8
Switzerland.....	8	3	11
Hungary.....	2	0	1
Austria.....	1	0	1
Sweden.....	6	0	6
Holland.....	0	1	1
Nova Scotia.....	4	0	4
Denmark.....	8	0	8
Belgium.....	1	0	1
Australia.....	2	0	2
Norway.....	1	0	1
Total.....	1,204	264	1,468

TABLE No. 11.

Education.

	Male.	Female.	Total.
Could read and write	1,051	173	1,224
Could read only	38	28	66
Could neither read nor write	115	63	178
Total.....	1,204	264	1,468

TABLE No. 12.

Religious Training.

	Male.	Female.	Total.
Catholics.....	622	141	763
Protestants	569	122	691
Jews	9	0	9
Atheists.....	4	1	5
Total.....	1,204	264	1,468

TABLE No. 13.

Habits of Life.

	Male.	Female.	Total.
Confess themselves intemperate	1,008	243	1,251
Claim to be temperate.....	196	21	217
Total.....	1,204	264	1,468

TABLE No. 14.

Social Relation.

	Male.	Female.	Total.
Married.....	381	205	586
Single.....	823	59	882
Total.....	1,204	264	1,468

TABLE No. 15.

Age when Admitted.

	Male.	Female.	Total.
Under twenty.....	149	14	163
Twenty and under thirty.....	417	67	484
Thirty " " forty.....	812	82	894
Forty " " fifty.....	202	67	269
Fifty " " sixty.....	87	27	114
Sixty " " seventy.....	29	7	36
Seventy " " eighty.....	8	0	8
Total	1,208	264	1,468

TABLE No. 16.

Offenses.

NATURE OF OFFENSE.	Male.	Female	Total
Adultery.....	1	1	2
Assault and battery.....	72	2	74
Assault and battery and intoxication.....	21	0	21
" " " " disorderly conduct.....	1	0	1
" " " " habitual disturber of the peace...	1	0	1
" " " " disorderly conduct and intoxic't'n	2	0	2
" " " " petit larceny.....	1	0	1
" " " " cruelty to animals.....	1	0	1
" " " " disturbance... ..	2	0	2
Abuse of family.....	18	0	18
Breaking into railroad car.....	1	0	1
Carrying concealed weapons.....	6	1	7
" " " and assault and battery.....	2	0	2
Cruelty to minor children.....	1	1	2
Common beggar.....	10	3	13
Cruelty to animals.....	6	0	6
Common prostitute.....	0	4	4
Careless driving and assault and battery.....	1	0	1
Cruelty to animals and wrongfully using horse.....	2	0	2
Concealing stolen property.....	1	0	1
Destroying property.....	11	1	12
Disorderly conduct	88	29	67
" " and intoxication.....	2	1	3
Destroying property, assault and battery and intoxication	1	0	1
Drunk and Disorderly.....	5	0	5
Disturbance	47	8	55
" and intoxication.....	1	0	1
Embezzlement... ..	1	0	1
Housebreaking in daytime and larceny.....	6	0	6
Having in possession obscene and indecent papers	1	0	1
Habitual disturber of the peace	1	0	1

TABLE No. 16—Continued.

NATURE OF OFFENSE.	Male.	Female	Total
Housebreaking in daytime.....	8	0	8
Intoxication	498	180	678
" and destroying property.....	2	1	3
" " petit larceny.. ..	9	3	12
" " vagrancy.....	2	0	2
" " cruelty to animals	1	0	1
" " suspicious person.....	1	0	1
" assault and battery and destroying property..	1	0	1
" petit larceny and receiving and concealing stolen property	1	0	1
" and carrying concealed weapons	5	0	5
" " obstructing an officer.....	1	0	1
" " common beggar.....	2	0	2
" carrying concealed weapons and resist'g officer	1	0	1
" and having in possession obscene literature...	1	0	1
" " habitual disturber of the peace	1	0	1
" " abuse of family	1	0	1
Indecent exposure of person.....	4	0	4
" conduct.....	0	3	3
Keeping house of ill-fame	0	1	1
Known thief.....	1	0	1
Larceny.....	6	0	6
" and receiving and concealing stolen property ...	5	1	6
Obstructing an officer	3	1	4
Obtaining goods by false pretense	5	0	5
" money " " 	6	0	6
Obscene and licentious language	1	0	1
Petit larceny.....	118	13	131
" " and carrying concealed weapons.	2	0	2
" " " receiving and concealing stolen property carrying concealed weapon....	1	0	1
" " " obtaining money by false pretense	1	0	1
" " " receiving and concealing stolen property	2	0	2

TABLE No. 16—Continued.

NATURE OF OFFENSE.	Male.	Female.	Total
Receiving stolen property	1	0	1
Residing in house of ill-fame	0	3	3
Resisting an officer and intoxication	1	0	1
" "	8	0	8
Suspicious person	30	1	31
" " and petit larceny	1	0	1
Selling intoxicating liquors to minors	1	0	1
Taking and using boat without permission of owner	1	0	1
Unlawfully breaking into an U. S. post-office	1	0	1
" using horse, dest'g property and petit larceny	1	0	1
Vagrancy	121	5	126
Visiting house of ill-fame	1	0	1
Violating property ordinance	46	1	47
" internal revenue law	2	0	2
" railroad law	36	0	36
" Sunday liquor law	1	0	1
" election law	1	0	1
" health law	1	0	1
" railroad law and carrying concealed weapon.	2	0	2
" peddler ordinance	1	0	1
" sidewalk "	2	0	2
" " " and intoxication	1	0	1
Wrongfully using a horse and petit larceny	1	0	1
" " "	1	0	1
" " " and intoxication	3	0	3

TABLE NO. 17.

Occupation.

Men.		Men.	
Auctioneer	1	Chimney sweep	1
Ax-makers	3	Civil Engineers	2
Bakers	18	Carriage trimmer	1
Blacksmiths	22	Chemist	1
Barbers	22	Druggist	1
Boiler-makers	9	Engineers	6
Bartenders	2	Firemen	82
Book-keepers	8	Farmers	11
Brick layers	7	Forger	1
Butchers	11	Finishers	8
Bridge builders	8	Florist	1
Bolt makers	8	Gardeners	11
Brush maker	1	Grocers	1
Brick makers	2	Glass blower	1
Brewers	4	Grainers	1
Bootblacks	1	Grinder	1
Basket makers	8	Hostlers	9
Brass finishers	5	Heaters	4
Brakemen	8	Hatters	1
Boiler-mason	1	Hackdriver	1
Box makers	8	Helpers	2
Carpenters	51	Horse shoer	1
Cigar makers	10	Iron worker	2
Clerks	11	Journalist	1
Coopers	11	Japanner	1
Cooks	9	Laborers	464
Cabinet makers	5	Lawyer	1
Cigar packers	6	Lather	1
Coachmen	6	Locksmith	1
Currier	1	Laster	1
Carriage maker	1	Liners	2

TABLE NO. 17—Continued.

Men.		Men.	
Millers	2	Sign painter.....	1
Millhand	1	Spring maker	1
Machinists	15	Stone cutters.....	7
Moulders	37	Sawyers.....	5
Masons	2	Sail maker.....	1
Marble cutter	1	Saloon keepers.....	2
Machine hand	1	Slaters.....	4
Music teacher	1	Steam fitter.....	1
Musicians	2	Shipping clerk	1
Nut makers	2	Stone mason	3
Nail maker	1	Salesmen	6
Noveler	1	Spinners.....	2
News agent	1	Stove mounter	1
News dealer	1	Speculator	1
Painters	52	Showman	1
Printers.....	18	Tanners	3
Physicians.....	2	Tinsmiths	3
Photographer	1	Teamsters	15
Plasterers	7	Tailors	11
Plumber and gasfitter	2	Trunk maker	1
Peddlers	9	Telegraph operator.....	1
Polishers	2	Tinners	6
Plater.....	1	Tin roofer	1
Puddlers	7	Teacher	3
Policeman.....	1	Varnishers	3
Potters	3	Walters	3
Quarryman	1	Whitewashers	3
Railroaders	10	Welder.....	1
Roughers	3	Wiredrawer.....	1
Riviter.	1	Wagon maker.....	1
Sailors	76	Wood turner.....	1
Shoemakers	30	Wood finisher.....	1
Total number of men.....		1,204.	

TABLE NO. 17.—Continued.

Women.		Women.	
Cooks	18	Musicians.....	3
Dressmakers	9	Seamstresses.....	9
Housework	222	Tailoresses .	3
Hatter.....	1	Waiters	1
Laundress.....	8		
Total number of Women..... 264.			

RECAPITULATION.

Total number of men	1,204
Total number of women.....	264
Total number of men and women....	1,468

HOUSE OF REFUGE STATISTICS.

TABLE No. 1.

	Boys.	Girls.	Total.
Remaining January 1, 1888	79	16	95
Whole number committed during 1888.	116	12	128
Total	195	28	223
Discharged during 1888	49	7	56
Total remaining December 31, 1888	146	21	167

TABLE No. 2.

Number Received each Month.

MONTHS.	Boys.	Girls.	Total.
Remaining January 1, 1888	79	16	95
Received during January	6	0	6
“ “ February	11	1	12
“ “ March	7	0	7
“ “ April	9	1	10
“ “ May	10	1	11
“ “ June	5	0	5
“ “ July	11	2	13
“ “ August	8	3	11
“ “ September	6	2	8
“ “ October	21	0	21
“ “ November	15	1	16
“ “ December	7	1	8
Total	195	28	223
Discharged during 1888	49	7	56
Total remaining December 31, 1888	146	21	167

TABLE NO. 3.

Discharged each Month during the Year 1883.

MONTHS.		Boys.	Girls.	Total.
Discharged during January, 1883.....		5	4	9
"	February.....	6	1	7
"	March.....	1	0	1
"	April.....	4	0	4
"	May.....	9	0	9
"	June.....	1	0	1
"	July.....	3	1	4
"	August.....	5	0	5
"	September.....	5	0	5
"	October.....	2	0	2
"	November.....	2	0	2
"	December.....	6	1	7
Total.....		49	7	56

TABLE No. 4.
Monthly Average of Confinement During the Year.

Months.		Boys.	Girls.	Total.
Average during January, 1883		79.90	14.00	93.90
"	February	85.72	12.22	97.94
"	March	87.09	12.00	99.09
"	April	91.16	12.90	104.06
"	May	96.16	13.45	109.61
"	June	99.33	14.00	113.33
"	July	105.93	14.28	120.21
"	August	110.45	15.68	126.13
"	September	114.33	18.53	132.86
"	October	128.35	20.00	148.35
"	November	141.36	20.00	161.36
"	December	151.19	20.30	171.49
Monthly attendance for the year		107.16	15.61	122.77

TABLE No. 5.

Committed from the following Courts:

	Boys.	Girls.	Total.
Police Court	111	12	123
Probate Court	3	0	3
Common Pleas Court	2	0	2
Total	116	12	128

TABLE No. 6.

Discharged during the Year.

	Boys.	Girls.	Total.
Received honor	14	3	17
Pardoned	23	4	27
Escaped	7	0	7
Returned to Court	5	0	5
Total	49	7	56

TABLE No. 7.
Crimes and Offenses.

	Boys.	Girls.	Total.
Wrongfully using a horse	1	0	1
Petit larceny	23	3	26
Forgery	1	0	1
Vagrancy	16	0	16
Disorderly conduct	8	0	8
Assault and battery	1	0	1
Destroying property	1	0	1
Housebreaking and larceny	4	0	4
Grand larceny	1	0	1
Incorrigible conduct	45	8	53
Housebreaking in daytime	4	1	5
Cruelty to minor children	1	0	1
Receiving and concealing stolen property	1	0	1
Obtaining money by false pretense	1	0	1
Violating Railroad ordinance	4	0	4
Breaking into railroad car	1	0	1
Violating property ordinance	2	0	2
Grand larceny and receiving and concealing stolen property	1	0	1
Total	116	12	128

TABLE No. 8.

Color.

	Boys.	Girls.	Total.
White	110	9	119
Colored	6	3	9
Total	116	12	128

TABLE No. 9.

Place of Nativity.

COUNTRY.	Boys.	Girls.	Total.
United States	101	8	109
England	0	1	1
Germany	7	3	10
Canada	3	0	3
Wales	1	0	1
Australia	1	0	1
Hungary	3	0	3
Total	116	12	128

TABLE No. 10.
Religious Training.

	Boys.	Girls	Total.
Protestants	47	10	57
Catholics	64	2	66
Jews	5	0	5
Total	116	12	128

TABLE No. 11.
Education.

	Boys.	Girls.	Total.
Could read and write	85	8	93
Could read only	9	1	10
Could neither read nor write	22	3	25
Total	116	12	128

TABLE No. 12.

Social Relations.

	Boys.	Girls.	Total.
Having both parents	62	7	69
Having one parent only	42	4	46
Orphans	12	1	13
Total	116	12	128

TABLE No. 13.

Age when Admitted.

	Boys.	Girls.	Total.
Under ten	16	2	18
Ten and under twelve	25	0	25
Twelve and under fifteen	44	8	52
Fifteen and under eighteen	31	2	33
Total	116	12	128

HOSPITAL DEPARTMENT.

HOSPITAL DEPARTMENT.

To the Honorable Board of Directors of the Workhouse and House of Correction, Cleveland, Ohio:

GENTLEMEN:—I am gratified to be able to make a favorable report on the mortality, health and sanitary condition of the institution under your care. But two deaths have occurred during the year—John Sultán, of consumption, on the twenty-fifth day of June; and James McGuire, of pulmonary hemorrhage, on the eighth day of August. Received as vagrants, both were in the last stages of consumption at the time of their admittance.

There has been an entire absence of acute infectious diseases; not a case of erysipelas, typhoid fever, scarlet fever, diphtheria, or of dysentery that could be regarded as infectious. Scurvy was prevented by the Superintendent supplying the prisoners with fresh vegetables early in the season.

It may not be amiss to state that the building of the ice house has proven a sanitary measure of very great importance, as in it, food purchased in large quantities may be kept fresh and wholesome until distributed. Great care has been taken to reap the full benefit of this improvement by furnishing to the prisoners perfectly wholesome food in greater variety than would otherwise be possible.

In every respect the sanitary condition has been excellent. This is especially true of the Refuge Department. The absence of deaths, the healthful appearance of the children, and their rapid recoveries from illness testify strongly to this fact.

During the year I have made two hundred and seven visits; have prescribed for eight hundred and fifty-three patients, of whom six hundred and thirty-seven were males, and two hundred and sixteen females; and have made twelve hundred and eighty-three prescriptions. The number prescribed for is greater than last year, but the comparatively few prescriptions and the low rate of mortality show the transient nature of the ailments.

The department has been supplied with trusses, rubber and suspensory bandages, so that in many cases we have been able to afford prompt relief, and in some effect cures otherwise unobtainable. The expenses in this department are lower than ever before.

I am again under obligations to the Board, the Superintendent, and all officers of the prison for full co-operation and uniform courtesy.

Respectfully submitted,

P. H. SAWYER, M. D.,

Physician in charge.

ANNUAL REPORT

OF THE

INFIRMARY DEPARTMENT

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1883.

Infirmary Department.

1888.

DIRECTORS.

BOLIVAR BUTTS, PRESIDENT.

EDWARD MOLONY.

JUDGE EDW. HESSENMUELLER.

CHARLES C. BURNETT.

WM. J. MCKINNIE.

CLERK OF THE BOARD,

L. S. O'NEIL,

SUPERINTENDENT.

L. F. MELLEN.

*To the Honorable Mayor and City Council }
of the City of Cleveland.*

GENTLEMEN:—Herewith find the Annual Report of the Superintendent of the Infirmary Department, for the year ending December 31, 1883.

Respectfully submitted,

BY ORDER OF THE BOARD OF INFIRMARY DIRECTORS.

ANNUAL REPORT
OF THE
SUPERINTENDENT OF THE INFIRMARY DEPARTMENT.

How best to care for the poor of the city is an important question. It requires a judicious, economical administration of the public funds so as to help a large class of the needy poor, without creating an unnecessary demand for relief. Indiscriminate giving tends to encourage applications, and among the poor and improvident of our large cities, it is easy to create a class of persons who think they must get their support by public or private charities. A system of investigation is absolutely necessary, in order to develop all the facts of the condition and circumstances of the applicants.

The most practical methods that can be adopted, is an effort to *put the poor in a way to support themselves*, as far as possible. If they are sick, give them the best hospital care and heal them. If they are able to work, provide them something to do to earn a livelihood. These are the principles upon which the Infirmary Department is now acting, as far as it has the means.

The Annual Report shows an increase in the number of persons and families that have been aided during the past year over and above the previous year, and yet the amount of money expended aside from repairs and improvements at the Infirmary has been increased but little. The Report is very complete in detailed statements of the work that has been done during the year.

THE INFIRMARY,

The interior of which was in a poor condition a year ago, has been almost entirely renovated, enlarged and improved at a small cost, and with additional furniture and appliances, it is now in first-class condition. The sick and the poor have plenty of good food, carefully prepared for each department, in accordance with its needs, and provision made for the safety, comfort and happiness of its inmates. These improvements and changes are indicated in the statement of articles furnished for each department. Much of the work has been done by help that were paid in groceries, coal, &c., for the benefit of poor families, where they could not provide for themselves. The Infirmary receives a large number of visitors on Fridays, who express themselves as much pleased with the appearance and management of the institution. A new Library has been donated by different citizens, and a large amount of reading matter is furnished in the use of the files of papers which are contributed weekly, from the reading room of the Public Library.

THE HOSPITAL DEPARTMENT

Has increased its capacity by taking rooms formerly occupied by pauper inmates, not sick, and their number decreased by caring for them in "out door relief." Some improvements are needed for the Hospital, in ventilation, sewerage and heating, and with the "special diet" which we have inaugurated for that department, and its present good medical attendance, the sick can be as well cared for as at any place in the city. A light easy running ambulance should be purchased, and kept near the Superintendent's office in the City Hall, to be used exclusively for rapid transportation of the sick and injured to the Infirmary Hospital.

THE INSANE DEPARTMENT

Needs enlargement. It will be seen from this report that the number in that department has increased from 151 in the year ending December 31, 1882 to 187 in 1883. We are nearly to the limit of our capacity. Provision should be made this year to accommodate from 50 to 100 more insane. For some time to come all who become insane in Cuyahoga county, must be taken to the City Infirmary, or exchanged for an incurable case at the Lunatic Asylum.

The Cleveland Asylum for the Insane is full. Its capacity is rated at 600, but at the present time it has 637. The quota from this county is 159, it now has 183; so that when a person is found insane in this city or county, resident or non-resident, the Infirmary Department must take them in charge, and while we are constantly discharging from other departments of the Infirmary, most of the insane become a permanent charge. Already plans have been made to enlarge the dining rooms for the insane wards, but there should be an extension of 60 feet added to both the male and female insane buildings to furnish sleeping rooms.

The following is the annual statistical report of the

INFIRMARY DEPARTMENT.

	Males.	Females.	Total.
Number of inmates remaining Jan. 1, 1883....	159	185	344
Number of inmates admitted during the year	304	201	505
Number of born during the year.....	25	23	48
Totals	488	408	897

Of those admitted during the year 151 were non-residents, "county charge."

	Males.	Females.	Total
Number of inmates discharged during the year	260	237	497
Number of inmates died during the year....	31	22	53
Number of inmates remaining during the year	197	150	347
Totals	488	409	897

Daily Average, 826 7-12.

Number of Insane in December, 1881	146
Number of insane in December, 1882	151
Number of insane in December, 1883	187

NUMBER OF INMATES IN EACH DEPARTMENT, DEC. 31, 1883.

	Males.	Females.	Total
Hospital Departments	50	33	83
Insane Departments	92	95	187
Pauper Departments	55	22	77
Totals	197	150	347

49 inmates are charged to county.

NATIVITY OF THOSE ADMITTED DURING THE YEAR 1883.

United States	180
Ireland	149
Germany	110
England	84
Bohemia	21
Canada	19
Wales	7
Scotland	7

Poland.....	3
France.....	2
All others	15
<hr/>	
Total.....	558

OCCUPATION OF THOSE ADMITTED DURING THE YEAR.

Blacksmiths	6
Basketmakers.....	2
Boatmen	1
Bookbinders.....	1
Boilermakers.....	2
Barbers.....	1
Bricklayers.....	2
Butchers.....	5
Bakers.....	1
Coachmen.....	3
Coopers	2
Carpenters.....	20
Cooks.....	6
Cigarmakers	3
Chairmakers.....	1
Engineers	2
Farmers.....	10
Fireman.....	2
Gardeners.....	2
Horseshoers.....	1
Hostlers.....	1
Housework.....	124
Laborers.....	116
Machinists.....	10
Masons.....	1
Musicians.....	1
Moulders.....	3
Paperhangers.....	2
Plasterers.. ..	1
Painters.....	10

Pedlers.....	3
Puddlers.....	4
Physicians.....	1
Railroaders.....	8
Stonecutters.....	2
Shoemakers.....	7
Sailors.....	5
Spinners.....	1
Saloonkeepers.....	61
Seamstresses.....	6
Tinners.....	3
Tailors.....	9
Woodturners.....	1
Weavers.....	2
Whitewashers.....	2
Washerwomen.....	8
No definite occupation.....	141
<hr/>	
Total.....	553

HOSPITAL DEPARTMENT.

	Males.	Fem'l's	Total.
No. Patients in Hospital December 31, 1883.....	46	34	80
No. Patients admitted during the year.....	178	125	303
No. of Births during the year.....	8	15	23
<hr/>			
Total number in Hospital Department during the year	232	174	406

	Males.	Fem'l's	Total.
No. discharged, cured or improved during the year.....	153	184	287
No. of Patients remaining in Hospital Dec. 31, 1888..	45	27	72

	Males.	Fem'l's	Total.
No. of Deaths in Hospitals during the year.....	24	23	47
No. of Deaths in Insane Departments during the year ..	2	0	2
No. of Deaths in Middle Department during the year...	1	0	1
Total number of deaths in Infirmary during the year.	27	47	56

CAUSES OF DEATH DURING 1888.

Puerperal Septicaemia.....	1
Marasmus.....	4
Cancer	8
Meningitis.....	8
Cyanosis.....	1
Debility of age.....	3
Typhoid fever.....	3
Heart disease	7
Cerebral softening.....	1
Consumption	7
Delirium Tremens.....	1
Gastro Enteritis	8
Bright's disease	2
Double Pleuro-pneumonia.....	1
Chronic Maniacal exhaustion.....	2
Intra Capsular Fracture.....	1
Chronic Diarrhoea.....	1
Paralysis Agitans	1
Typhoid pneumonia.....	1
Apoplexy.....	1

Hobnailed liver	1
Syphilitic Ozena.	1
Paraplegia.....	1
Total.....	50

DISEASES OF PATIENTS IN HOSPITAL DURING YEAR ENDING DEC
31st, 1883.

	Males.	Females.	Total.
Congestion of Liver.....	2	2	4
Asthma.....	1	1	2
Abortion.....	..	1	1
Cancer.....	2	..	2
Cancer of Womb.....	..	1	1
Mastitis.....	..	1	1
Iritis (Syphilitic).....	2	2	4
Cholera Infantum .....	..	2	2
Remittent fever.....	2	1	3
Intermittent fever....	3	1	4
Typhoid fever.....	7	2	9
Lobar pneumonia.....	3	2	5
Arthritis (Strumons).....	1	1	2
Eczema.....	1	1	2
Pleuritis.....	..	1	1
Necrosis of lower jaw.....	1	..	1
Dispepsia.....	2	..	2
Dislocation.....	2	..	2
Frozen feet.....	3	..	3
Gonorrhoea.....	3	.	3
Hemorrhoids.....	1	1	1
Spinal curvature (lateral).....	..	1	1
Paralysis.....	3	3	6
Consumption.....	15	8	23
Rheumatism..	22	5	27
Hysteria.....	..	5	5
Ulcerated bowels.....	..	1	1

Fracture, fibula.....	2	..	2
" ribs.....	..	1	1
" clavicle.....	..	2	2
" femor.....	8	2	5
" colles.....	..	2	2
" Humerus.....	1	1	2
" crest of ilium.....	1	..	1
" tibia.....	1	..	1
Dementia..	..	2	2
Inanition.....	..	1	1
Syphilis	20	20	40
Cancer of breast.....	..	1	1
Meningitis.....	2	8	5
Chronic ulcers.....	4	6	10
Enceinte.....	..	24	24
Puerperal Septicaemia.....	.	2	2
Injury.....	17	5	22
Chronic Cystitis.....	8	..	8
Syphilitic Ozena....	1	..	1
Diabetes.....	1	..	1
Amenorrhea.....	..	1	1
Marasmus.....	..	1	1
Scarlatina.....	..	8	8
Erysipelas.....	..	2	2
Heart disease.....	10	2	12
Abscess on neck.....	..	2	2
Metritis.....	..	1	1
Bronchitis.....	8	6	9
Ovaritis.....	..	1	1
Ulcer of Cornea ...	1	2	8
Endometritis.....	..	1	1
Gastro Entritis .....	..	1	1
Syphilitic disease.....	..	1	1
Bright's disease.....	1	2	8
Strumous abscess.....	2	1	3
Chronic mania.....	2	..	2
Orchitis.....	2	..	2

Scrofula	2	..	2
Pericarditis.....	1	..	1
Delirium Tremens.....	3	..	3
Burn.....	1	.	1
Chronic diarrhoea.....	2	..	2
Epilepsy.....	3	..	3
Locomotor Ataxy.....	1	..	1
Chronic Ophthalmia	2	..	2
Paraplegia.....	2	1	3
Hemiplegia.....	5	1	6
Cerebral softening.....	1	..	1
Strumous Periostitis.....	1	..	1
Fistula.....	2	..	2
Proctitis.....	1	..	1
Paralysis Agitans	2	..	2
Amputation	1	..	1
Entropion.....	3	..	3
Double Pleuro Pneumonia.....	1	..	1
Septicaemia.....	2	..	2
Cerebral Hyperaemia.....	1	..	1
Gastritis.....	1	..	1
Chancroid.....	3	..	3
Keratitis.....	1	..	1
Bubo.....	1	..	1
Atrophy of Liver.....	1	..	1
Hepatized Lung.....	1	..	1
Tonsitis.....	2	..	2
Typhoid Pneumonia.....	2	..	2
Lead Colic	2	..	2
Lead Palsy	2	..	2
Morbus Coxarus.....	1	..	1
Cirrhosis of Liver.....	1	.	1
Total	225	153	378

ARTICLES MADE AT THE CITY INFIRMARY AT COST OF MATERIAL ONLY.

SEAMSTRESS DEPARTMENT.

Aprons	90
Bedticks	78
Bakers' Caps	6
Blouses.	2
Baby's Slips	14
Coats	47
Comforts	155
Chemise	159
Dresses	207
Drawers	197
Door Mats	45
Feather Pillows	20
Handkerchiefs	12
Hair Mattresses	19
Overalls	90
Overshirts	81
Pinning Blankets	9
Pillow Slips	311
Pants, pairs	118
Pillow Ticks.	116
Sheets	252
Skirts	215
Shirts	401
Suspenders, pairs	98
Sacques	26
Tablecloths	8
Towels	87
Tight Jackets	19
Vests	37
<hr/>	
Total	2,901

WORK SHOPS.

Bedsteads, iron.....	19
Bedsteads, wood.....	6
Bakers' Trays, wood.....	6
Baskets, willow.....	36
Bolts.....	61
Bed-pan, tin.....	1
Band, iron.....	1
Buckets, wood.....	36
Brace, iron.....	1
Broilers.....	1
Bier, for Morgue.....	1
Cabbage Cutter.....	1
Coffee Boiler, tin, (75 gals)....	1
Cutting knife.....	1
Clothes press.....	1
Coffins.....	10
Chisels, cold.....	4
Caddies, tin.....	23
Clips, iron.....	3
Coffee cans, (8 gal).....	4
Coffee Roaster, (80 lbs).....	1
Drawing Board.....	1
Dippers, tin.....	2
Dish pan, tin.....	1
Drip pans, Russia iron.....	6
Damper rods.....	3
Dust pans.....	14
Elbows, iron.....	1
Eyes and rings.....	4
Fire pot, tinnern.....	1
Groover, tinner's tool.....	1
Grate circle, iron for boiler.....	1
Hinges.....	12
Hoes.....	1
Hooks and links, chain.....	4
Hold posts.....	9

Hasps	12
Hammers, steel face	8
Hatchet stake, tinner	1
Hand and square nuts	11
Handles, iron	4
Hooks, iron, steam pipes	88
Knives, steel	1
Ladders	2
Maul Rings	6
Mauls	9
Medicine Trays	4
Mallets	1
Nuts, iron $\frac{3}{4}$ x8 inch square	20
Picks, steel	18
Pick Handles	6
Plates, iron	5
Pickets, fence	1,100
Pails, tin	15
Pails, milk, strainer	4
Pails, wood	45
Rims, tin	12
Rods, iron	28
Rub, irons	2
Rods, 1 inch round, 14 feet	12
Rods, 1 inch round, 12 feet	9
Settees, for parks	5
Staples	188
Signs	7
Spittoons	8
Speaking tubes	6
Stands, for fire buckets	8
Sheet iron pipe, joints	1
Spikes, iron	44
Steel rakes	6
Steam kettles, copper, 90 gallons each	2
Square swedge (tinner's tool)	1
Squares, sets	2

Square, T.....	1
Square, long.....	1
Steamer, vegetable, 3 bushel.....	1
Sheet iron flue	1
Tin fruit cans, 2 gallons.....	25
Tea pots, tin.....	4
Tea boiler, 75 gallon	1
Torches, tin	2
Tables.....	4
Truck	1
Tin gutters 15 feet	1
Wash tubs	13
Wrenches	3
Washers, iron	9
Watering pot	1
Wash-stands	23
Writing desk, black walnut, 5 drawers	1
Wheelbarrows.....	3
Water tanks, tin, 20 gallons each	2
Water cooler, zinc, 3 gallon	1
Waiters	3
Wagon reaches	3
Whiffletrees	2
Zinc floor, laying and soldering	1
<hr/>	
Total number of articles	1,675

CANNED GOODS, ETC., PUT UP AT INFIRMARY.

Rhubarb.....	number of quarts.....	107
Cherries.....	" " "	176
Currants	" " "	3
Pears	" " "	72
Tomatoes	" " "	160
Gooseberries	" " "	24
Currant Jelly.....	" " "	6
Pickles	barrels.....	1
Sauerkraut	"	6

Grape Jelly	glasses.....	85
Catsup.....	gallons.....	15

PERMANENT IMPROVEMENTS.

Fire Escapes	3
Fire Extinguishers.	4
Watchmans' Time Detector.....	1
Stations.....	9

Placing Fire Buckets throughout the building.

Putting steam in four Set-Kettles and abolishing fire under same.

New Kitchen, Bakery and Oven.

Smoking and Sitting Room.

Two new Store Rooms.

Bath Rooms and Morgue.

New Steam Pipe for Summer heat.

Three Elevators.

Two Dining Rooms.

Two five acre parks for the insane.

COST OF IMPROVEMENTS.

Paid for iron, iron work, steel, etc.....	\$ 387 11
“ governor and shaft, \$27, and one boiler feeder, \$40.....	67 00
“ four chemical fire extinguishers	140 00
“ steam, gas pipes, fittings, etc	163 31
“ brick and sewer pipe.....	114 85
“ lime and cement.....	23 15
“ lumber	183 93
“ mason work, building kitchen and bake oven	306 00
“ water traps, lead pipe, etc.....	117 47
“ one stove for Steward's kitchen	23 00
“ axles for trucks.....	12 00
“ roller chairs, stools, etc.....	119 00
“ carpenter work.....	135 30
“ putting up kitchen range and boiler	87 34
“ safe	90 00
“ fire escapes, stairs, etc.....	503 00
“ watchmans' time detector.....	100 00
“ steam radiators.	190 93
“ copper steam boilers, for cooking.....	60 00
“ repailing boilers	63 05
“ one truck.....	20 13
	<hr/>
	\$3,061 15

The above amount shows the cost of improvements, without taking into consideration the labor furnished by employes or inmates of the Infirmary, or by work orders given at the City office.

STATEMENT OF PROVISIONS PURCHASED FOR THE INFIRMARY PROPER IN 1883.

Flour, number of pounds	98,694
Corn meal " "	8,869
Beans, " "	8,008
Tea, " "	1,676
Coffee, " "	2,644
Rice, " "	2,809
Sugar, " "	10,744
Oat meal, " "	2,600
Potatoes, " bushels	279
Peas, " pounds	2,167
Barley, " "	440
Soap, " bars	6,000
Meat, beef, mutton, corn beef, etc., number of pounds	60,754
Butter, " "	5,051
Eggs, number of dozen	8,710
Fish, haddock, herring, pike, etc., number of pounds	9,767
Fuel—coal, tons	1,273-550

STATEMENT SHOWING COST OF FOLLOWING ITEMS:

Clothing and dry goods	\$1,464 30
Boots and shoes, including leather and findings	314 89
Furniture	683 96
Drugs, medicines and surgical instruments	1,488 49

PRODUCTS OF INFIRMARY FARM.

				VALUE.
Wheat	275 bushels at \$1 00	...	\$	275 00
Corn (sound ears)	871 " "	60 ...		522 60
Corn (small ears)	182 " "	25		45 50

Corn (sweet)				50 00
Oats.....	237 bushels at	35 ...		82 95
Hay.....	25 tons	" 13 00 ...		325 00
Hay.....	1 "	" 10 00....		10 00
Straw.....	10 "	" 8 00....		80 00
Corn stalks.....	2,395 bundles	" 03....		71 85
Potatoes (merchantable).....	2,006 bushels	" 40....		802 40
Potatoes (small).....	140 "	" 25....		35 00
Potatoes (sweet)	12 "	" 1 00....		12 00
Turnips (Ruta Bagas).....	358 "	" 40 ...		142 80
Turnips (Mangel Wertzels)	150 "	" 30 ...		45 00
Turnips (White English).....	336 "	" 30....		112 80
Carrots.....	250 "	" 50....		125 00
Beets.....	150 "	" 50....		76 00
Parsnips.....	150 "	" 50....		75 00
Onions.....	195 "	" 50. ...		97 50
Squashes.....,	90 each	" 10...		9 00
Cabbages.....	3,449 heads	" 5....		172 25
Tomatoes.....	50 bushels	" 50....		25 00
Beans (string)	75 "	" 1 00....		75 00
Beans (white)	4 "	" 2 00....		8 00
Celery.....	36 dozen	" 50....		19 00
Pumpkins	18 loads	" 2 00....		36 00
Pasture.....				15 00
Apples	359 bushels	" 50....		175 00
Pears.....	5 "	" 2 00....		10 00
Small fruits (currants, strawberries, cherries, etc.				175 00
Milk	6,524 gallons	" 22....		1,435 28
Butter.....	610 pounds	" 25...		152 50
Eggs.....	174 dozen	" 20....		34 80
Chickens	35 each	" 35 .		12 25
Ducks	15 "	" 50....		7 50
Pork.....	2,250 pounds	" 06....		135 00

Wood.....	75 cords	"	5 00....	225 00
Total products.....				\$5,652 99

STOCK SOLD.

Twenty-four Pigs.....	at \$4 00 ...	\$96 00
Eight Calves.....		26 00
Two Cows.....	at \$40 90....	80 00
One Horse.....		25 00

STOCK PURCHASED DURING THE YEAR.

One Horse.....		\$155 00
Two Cows.....	at \$55 00....	110 00
One hundred and forty-four chickens.....	at 35....	50 00

STOCK ON HAND DECEMBER 31, 1883.

Six Horses.....	at \$125 00....	\$750 00
Ten Cows.....	at 50 00 ...	500 00
One Heifer.....		20 00
One Calf.....		10 00
Eighty-two Pigs.....	at \$3 50....	287 00
Seventy-five Chickens.....	at 35....	26 35
Ten Ducks.....	at 50....	5 00

OUT DOOR RELIEF.

The increase of the City's population, depression in business, and lack of work with other causes, has made a large increase in the number of needy poor, during the past year over and above the previous year. The records that are kept in the Infirmary office, show nearly 1400 families who have been helped during the year, some continually every month, and some temporarily. These have all been investigated at their homes, and some have been found very destitute. Many as will be seen by the report are widows with large families others are reported as "husbands deserted them" and there have been an unusual number of "Assisted Emigrants." Where there is a man, in the family, husband, father, or son able to work, they

are refused help, except as they take a work order, and earn the supplies furnished. Fortunately in the building of a road at the Infirmary farm and other improvements we have been able to give poor men, out of work, employment, this winter, but in the future, with liability of many being unemployed during the winter months, if the City could arrange their system of public walks, cleaning streets, etc., so as to allow the Infirmary department to furnish help to be paid from the Infirmary store, it would be great economy to the City, and an advantage to the poor.

The following are the statistics of the Out Door Relief at the City Infirmary Office.

Number of families helped.....	1393
Number of persons in families.....	5184

NATIVITY OF FAMILIES.

United States.....	285
Ireland.....	483
Germany.....	365
Bohemia.....	75
England.....	66
Canada.....	24
Hungary.....	15
Poland.....	28
Scotland.....	19
Switzerland.....	7
Holland.....	6
Wales.....	5
Prussia.....	4
Austria.....	4
Russia.....	5
France.....	3
Sweden.....	2
Australia.....	2
Isle of Man.....	1
Denmark.....	1

These families are classified as follows:

Married.....	782
Widows.....	441

Grass widows.....	123
Widowers.....	16
Single.....	23

THE FAMILIES HELPED ARE DISTRIBUTED IN THE FOLLOWING WARDS:

1st Ward.....	215	10th Ward.....	45
2d ".....	40	11th ".....	75
3d ".....	32	12th ".....	67
4th ".....	84	13th ".....	68
5th ".....	115	14th ".....	59
6th ".....	117	15th ".....	29
7th ".....	76	16th ".....	27
8th ".....	177	17th ".....	14
9th ".....	92	18th ".....	62

One hundred and sixty-eight families were non-residents, of which fourteen belonged to other towns in the State, from which collections were made for help rendered.

The following are the Out Door Relief distributions for the year, in addition to groceries:

Coal orders.....	2,210
Work orders (av. two days each).....	1,318
Burials.....	90—cost \$386 70
Grave orders.....	144
Coffins furnished.....	37
Railroad passes (to 673 persons).....	630—cost \$988 71
Meat orders.....	104
Shoes (pairs given).....	193

TOTAL ISSUES OF GROCERIES FOR OUTDOOR RELIEF.

Flour.....	154,913	lbs.
Corn meal.....	8,288	"
Potatoes.....	7,890	"
Beans.....	6,120	"
Tea.....	3,293¼	"
Coffee.....	4,603¼	"
Rice.....	7,559	"

Oat meal.....	7,672	lbs.
Sugar.....	12,361	"
Peas.....	4,800	"
Barley	1,464	"
Soap	8,896	"

There have been 3,070 investigation certificates filled out during the year, and the report does not include all the work done by the Infirmary Department for the welfare of the city and county poor.

STATEMENT OF INFIRMARY FUND, DEC. 31, 1883.

RECEIPTS.

Cash on hand January 1, 1883.....	\$ 5,902 58
Received from general taxes.....	28,425 58
" " City Clerk (for licenses, etc).....	6,899 83
" " Infirmary Clerk (from township, county, etc)	17,239 00
" " City Solicitor (for claim in suit).....	451 74
Amount held on warrant No. 138, drawn in 1877, in favor of A. J. Piper (suit now pending).....	146 19
Total	\$50,124 83

DISBURSEMENTS.

Ordinary expenses at City Infirmary.....	\$25,803 14
Permanent improvements at City Infirmary.....	8,061 15
Ordinary expenses, Out door relief.....	21,707 96
	<hr/>
	\$50,072 25
Amount to credit of Fund, January 1, 1884.....	\$9,052 07
Amount of claims for December, 1883.....	5,867 97
	<hr/>
Leaving balance of.....	\$3,184 10

A N N U A L R E P O R T
OF THE
BOARD OF
CEMETERY TRUSTEES

TO THE
CITY COUNCIL,
FOR THE
Year Ending December 31st, 1883.

TRUSTEES:

W. T. DIXON, President. **GEORGE JUDSON, Treasurer.**

JOHN WAGNER.

H. E. MORRISON, Secretary.

SUPERINTENDENTS OF CEMETERIES.

WOODLAND:

F. WEIDENKOPH.

H. S. BISHOP, A'ss't Sup't.

ERIE STREET:

FRANK FINNEY.

MONROE STREET:

JOSEPH KROESEN.

HARVARD GROVE:

JOHN DIPLEY.

REPORT OF CEMETERY TRUSTEES.

To the Honorable the City Council of Cleveland. Ohio :

GENTLEMEN:—The Board of Cemetery Trustees respectfully submit their annual report for the year ending December 31, 1883, accompanied with the tabulated statements prepared by the secretary, with the request that the same be printed in pamphlet form.

Last spring, Trustee E. A. Scoville tendered his resignation as a member of the Board, and at the municipal election held in April, 1883, Mr. John Wagner was elected to fill the vacancy thus made, the term expiring in April, 1884.

The term of Trustee Jacob Meyer expired last April, and at the said municipal election, Mr. George Judson was elected for three years.

Messrs. Wagner and Judson having qualified, the Board organized by electing W. T. Dixon President, George Judson Treasurer, and H. E. Morrison Secretary.

During the year Woodland Cemetery was improved to the amount of \$7,806.22 in the erection of an iron fence on the north, east and west sides, and the laying out of six new sections.

Concerning the new sections, we are happy to state that considerable good taste is being displayed by the various lot owners in having broad spaces of green turf prevail, adorned

only with a noble family monument, and at proper intervals, suitable shade trees, and which, for simplicity, appropriateness and durability, form a striking contrast to some of the old sections, where head and foot stones, curbing, hedges and fences are huddled together in such profusion as to prevent the workmen from keeping them in the same good order as the former.

Such lots as there are in the new sections, blending the elegance of a park with the pensive beauty of a burial place, confer on the whole a grace and dignity which can never be attained in situations where every foot of ground is occupied with ornamental puerilities.

Considering the fact that our cemeteries this year have been officered with a new set of officials, it is with pleasure we state to your honorable body that the expense of transacting the business we have done shows very favorable in a comparison with that of former years; and we take this opportunity to tender thanks to those officials and others connected with us in the management of the several city cemeteries, for the efficient manner in which they have performed their respective duties.

In conclusion, we would say that in our experience we find that there were irregularities in both Monroe Street and Woodland Cemeteries.

Respectfully submitted.

W. T. DIXON.
GEO. JUDSON,
JOHN WAGNER,
Cemetery Trustees.

H. E. MORRISON, *Secretary.*

The interments during the year have been as follows:

CEMETERIES.	ADULTS.		MINORS.		Grand Total.
	Male.	Female	Male.	Female	
Woodland Avenue.....	244	242	303	251	1,040
Erie Street	42	45	78	67	232
Monroe Street.....	91	70	98	96	355
Harvard Grove	21	23	37	43	124
Total.....	398	380	516	457	1,751

Of the above interments, 55 adults and 73 children (total 128) were on infirmary orders.

The lots and grave spaces sold in the city cemeteries for the year were as follows:

CEMETERIES.	No. sold.	Amount.	Cash.	Credit.
Woodland Avenue.....	425	\$11,262 00	\$8,751 79	\$2,510 21
Erie Street.....	131	1,206 50	1,066 50	140 00
Monroe Street.....	169	1,074 00	949 00	125 00
Harvard Grove.....	44	660 00	494 50	165 50
Total.....	769	\$14,202 50	\$11,261 79	\$2,940 71

WOODLAND CEMETERY.

RECEIPTS.

FROM WHAT SOURCE	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces....	\$ 403 50	\$ 678 50	\$ 981 94	\$1990 71	\$ 984 00	\$ 885 00	\$ 524 00	\$ 971 00	\$1116 50	\$1218 29	\$ 663 50	\$ 695 00
Services and vault fees.. ..	288 78	185 00	277 50	672 49	763 10	811 80	656 60	458 99	372 75	598 70	569 20	387 91
Total receipts.....	\$ 692 28	\$ 863 50	\$1259 44	\$2063 20	\$1747 10	\$1696 80	\$1180 60	\$1429 99	\$1488 25	\$1756 99	\$1232 70	\$1082 91

EXPENDITURES.

FOR WHAT PURPOSE	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll.....	\$ 315 93	\$ 392 45	\$ 326 00	\$ 528 25	\$ 845 99	\$ 899 05	\$ 340 43	\$ 803 14	\$ 539 97	\$ 475 90	\$ 485 27	\$ 414 72
Current expenses...	202 61	23 46	9 19	149 19	287 18	168 71	108 60	114 03	73 18	369 41	67 39	78 83
Improvement.....	15 33	27 37				197 37	4000 00	3261 40	6 00	200 00		98 75
Total expenses ...	\$ 533 89	\$ 853 28	\$ 335 19	\$ 677 44	\$1183 17	\$1265 18	\$4944 03	\$4078 57	\$ 619 15	\$1045 21	\$ 552 66	\$ 596 80

ERIE STREET CEMETERY.

RECEIPTS.												
FROM WHAT SOURCE	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	\$ 13 50	\$ 33 50	\$ 52 50	\$ 38 00	\$ 46 00	\$ 37 50	\$259 00	\$162 50	\$189 50	\$117 50	\$ 91 00	\$ 37 50
Services and vault fees	97 00	35 00	76 75	146 51	211 20	157 75	181 75	160 60	116 50	94 75	69 70	64 50
Total receipts. . .	\$110 50	\$ 68 50	\$129 25	\$184 51	\$257 20	\$195 25	\$440 75	\$323 10	\$306 00	\$212 25	\$160 70	\$102 00
EXPENDITURES.												
FOR WHAT PURPOSE.												
Pay roll.	\$128 83	\$116 93	\$141 78	\$169 43	\$272 36	\$249 93	\$208 23	\$186 08	\$204 88	\$212 38	\$159 08	\$150 08
Current expenses..	8 60	2 50	41 85	21 45	40 15	51 32	97 18	36 75	11 80	54 23	21 70	8 00
Total expenses	\$137 43	\$119 43	\$183 13	\$190 88	\$312 51	\$301 25	\$305 41	\$222 83	\$216 68	\$266 55	\$180 78	\$158 08

MONROE STREET CEMETERY.

FROM WHAT SOURCE	RECEIPTS.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and gravespace..	\$126 50	\$123 00	\$ 93 00	\$ 78 50	\$ 20 00	\$ 6 00	\$ 45 00	\$ 80 00	\$ 58 00	\$ 70 00	\$138 00	\$ 7 50
Services and vault fees.....	120 37	93 75	551 85	290 50	304 75	266 08	217 00	221 25	148 50	265 90	218 90	78 75
Total receipts.....	\$246 87	\$216 75	\$644 35	369 00	\$324 75	\$272 08	\$262 00	\$251 25	\$206 50	\$335 90	\$374 90	\$86 25
FOR WHAT PURPOSE	EXPENDITURES.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll.....	\$212 08	\$178 03	\$202 08	\$276 08	\$312 65	\$280 63	\$242 72	\$257 54	\$200 89	\$209 83	\$196 21	\$187 96
Current expenses...	.....	34 10	18 60	62 19	50 13	32 35	41 07	12 45	.....	42 98	50 88	.....
Total expenses....	\$212 08	\$212 18	\$215 68	\$338 27	\$362 78	\$292 98	\$283 79	\$269 99	\$200 89	\$252 81	\$246 50	\$187 96

HARVARD GROVE CEMETERY.

FROM WHAT SOURCE.	RECEIPTS.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces....	\$42 00	\$46 00	\$27 50	\$33 50	\$49 00	\$26 00	\$125 00	\$20 00	\$44 50	\$97 00	\$ 76 50	\$27 50
Services and vault fees	19 00	33 50	37 50	58 25	62 10	55 25	46 75	55 50	60 00	32 50	101 50	32 00
Total receipts....	\$61 50	\$79 50	\$65 00	\$91 75	\$111 10	\$81 25	\$170 75	\$75 50	\$104 50	\$129 50	\$178 00	\$59 50
FOR WHAT PURPOSE	EXPENDITURES.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll.....	\$65 00	\$65 00	\$65 00	\$65 00	\$78 00	\$100 16	\$70 25	\$74 75	\$73 25	\$66 50	\$68 25	\$65 00
Current expenses..	.....	10 00	.....	2 50	10 50	20 54	28 46	2 00	35	1 55	8 00	.....
Total expenses....	\$65 00	\$75 00	\$65 00	\$67 50	\$88 50	\$120 70	\$98 71	\$76 75	\$73 60	\$68 05	\$76 25	\$65 00

RECAPITULATION.

CEMETERIES AND SUNDRIES.	Receipts.	Expenses.	Excess.	Deficit.
Woodland Avenue.	\$16,498 76	\$16,124 52	\$369 24	.....
Erie Street.....	2,490 01	2,589 91	.....	\$99 90
Monroe Street.....	3,590 60	3,075 50	515 10	.....
Harvard Grove.....	1,207 85	940 06	267 79	.....
Amount paid for general bills.....	.....	339 37	.....	339 37
Total	\$23,782 22	\$23,069 36	\$1,152 13	\$439 27
Receipts from all sources				\$23,782 22
Total amount expended.....				23,069 36
Excess of receipts over expenses				712 86
Total excess.....			\$1,152 13	
Total deficit....			439 27	
Net excess for 1883				\$712 86

GROSS RECEIPTS OF THE SEVERAL CEMETERIES FOR THE YEARS 1878, 1879, 1880, 1881, 1882 and 1883.

YEAR.	Woodland Avenue.	Erie Street	Monroe Street.	Harvard Grove.
1878	\$8,622 49	\$1,089 18	\$3,150 48	\$331 75
1879	9,998 51	1,223 69	3,184 00	459 50
1880	15,550 18	1,427 60	2,957 10	448 25
1881	17,559 55	1,528 48	3,769 75	7,368 00
1882	19,667 14	1,575 27	*9,506 70	1,240 00
1883	16,498 76	2,490 01	3,590 60	1,207 85
Total.....	\$87,891 63	\$9,284 18	\$26,158 63	\$11,055 60

*\$5,700 of this amount was received of the New York, Chicago & St. Louis Railroad Company for a sale of a portion of this cemetery.

TREASURER'S SUMMARY.

Amount on hand January 1, 1883.....			\$6,084 30
Amount received, city levy of 1882			4,060 79
<i>Received from sale of lots and grave spaces:</i>			
Woodland Avenue Cemetery.....	\$10,510 94		
Erie Street Cemetery.....	1,078 00		
Monroe Street Cemetery.....	818 50		
Harvard Grove Cemetery.....	615 00		
Total		\$18,017 44	
<i>Received for services:</i>			
Woodland Avenue Cemetery.....	\$4,946 18		
Erie Street Cemetery.....	1,150 56		
Monroe Street Cemetery.....	2,526 10		
Harvard Grove Cemetery.....	581 25		
Total.....		\$9,154 04	
<i>Received for vault fees:</i>			
Woodland Avenue Cemetery.....	\$1,086 69		
Erie Street Cemetery.....	261 45		
Monroe Street Cemetery.....	251 00		
Harvard Grove Cemetery	61 60		
Total.....		\$1,610 74	
Total receipts.....			\$28,782 22
Grand total... ..			\$88,987 81
<i>Amounts paid—pay-roll and current expenses:</i>			
Woodland Avenue Cemetery.....	\$8,818 80		
Erie Street Cemetery.....	2,589 91		
Monroe Street Cemetery.....	8,075 50		
Harvard Grove Cemetery.....	940 06		
Total.....		\$14,928 77	
<i>Amounts paid for improvements:</i>			
Woodland Avenue Cemetery.....	\$7,806 22		
Erie Street Cemetery.....			
Monroe Street Cemetery.....			
Harvard Grove Cemetery.....			
Total....		\$7,806 22	
Amount paid for general bills.....		889 87	
Total expended.....			\$28,069 86
Balance to credit of fund January 1, 1884.....			\$10,887 95

TREASURER'S SUMMARY—Continued.

Amount to credit of fund arising from sale of lots and grave spaces	\$6,094 30
Amount received from City Auditor, levy of 1882.....	4,060 79
Received during the year from the sale of lots and grave spaces	18,017 44
Total	\$28,172 53
Amount taken from the fund arising from the sale of lots and grave spaces to pay pay-rolls and current expenses	\$4,498 36
Expended for improving and embellishing the cemeteries	7,806 22
Total	\$12,304 58
Balance to credit of fund January 1, 1884.....	\$10,867 95
Received during the year for services and vault fees.....	\$10,764 78
Received from the fund arising from the sale of lots and grave spaces.....	4,498 36
Total	\$15,263 14
Amount of running expenses during the year.....	\$15,263 14
Amount received for services and vault fees	10,764 78
Amount taken from the fund arising from the sale of lots and grave spaces.....	\$4,498 36

As will be seen from the foregoing statement, the running expenses (other than for improvements) of the several cemeteries are in excess of the receipts for services and vault fees, which receipts constitute the fund from which the running expenses should be paid.

This has been the case for years past, and consequently the fund derived from the sale of lots and grave spaces has been used to make up the deficiency. By using this fund as above stated, the cemeteries have been self-sustaining, and will con-

tinue to be so long as there are desirable lots and grave spaces for sale.

The following table will show the excess of running expenses over receipts (applicable for the purpose) of the several cemeteries during the past year:

For Woodland Cemetery	\$2,335 48
For Erie Street Cemetery	1,177 90
For Monree Street Cemetery	298 40
For Harvard Grove Cemetery	347 21
Amount expended for general bills	339 87
<hr/>	
Total excess of expenses over receipts applicable for this purpose	\$4,498 36

Respectfully submitted,

H. E. MORRISON, *Secretary.*

